IN REPLY REFER TO:
Office of Minerals Exploration

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

November 9, 1967

Banner Mining Company
P. O. Box 5605
Tucson, Arizona 85703

Re: DMEA-4221 (Copper)
Lewisohn Copper Corp.
Peach and Elgin Mines
Pima County, Arizona
Contract Idm-E1027

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 15 1967

| INITIALS | CODE |
|---|---|
| glo | 120 |
| | ~~120 MC~~ |
| | ~~110~~ |
| | 130 |
| | 220 |

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to R-III

RECEIVED
NOV 13 1967

MME Form 63
Revised 7-65

# REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. ~~Since~~ From September 1966 to October 23, 1967, , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes [ ] No [XXX]

Was the lease with Anaconda, dated April 15, 1964, still in effect? Yes [X] No [ ]
If not, please explain.

2. ~~Since~~ From September 1966 to October 23, 1967, , has there been any production from the land subject to the contract? Yes [ ] No [X]

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

| | Quantity | Value |
|---|---|---|
| | | |

B. If stockpiled awaiting sale, state quantity, grade, and location.

| Type | Quantity | | Estimated Grade | Location |
|---|---|---|---|---|
| Ore | | Tons | | |
| Concentrates | | Tons | | |
| Other | | Tons | | |

3. Since through workings (see of contract), has any production been transported Yes [ ] No [ ]

If so, state quantity, value, and disposition of material.

| Disposition of Material | Quantity | Value |
|---|---|---|
| | | |

Submitted by: BANNER MINING COMPANY

Name By: A. B. Bowman
A. B. Bowman

Title Vice President & General Manager

Address P.O. Box 5605 Tucson, Arizona 85703

Date November 13, 1967

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

RECEIVED
AUG 29 1966
BANNER MINING COMPANY

August 23, 1966

Banner Mining Company
P. O. Box 5605
Tucson, Arizona

Re: DMEA-4221 (Copper)
Lewisohm Copper Corp.
Peach and Elgin Mines
Pima County, Arizona
Contract Idm-E1027

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 27 1966

| INITIALS | CODE |
|---|---|
| 9/28 M | 120M |
| JJ | 450 |
| HR | 120K |
| | |
| | 520 |

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

Frank E. Johnson

Frank E. Johnson
Chief, Office of
Minerals Exploration

MME Form 63
Revised 7-65

# REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **December 1963**, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes [X] No [ ]

Anaconda leased these properties from Banner Mining Company on April 15, 1964. Exploration drilling is in progress but there has been no production.

2. Since **December 1963**, has there been any production from the land subject to the contract? Yes [ ] No [X]

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

| | Quantity | Value |
|---|---|---|
| | | |

B. If stockpiled awaiting sale, state quantity, grade, and location.

NONE

| Type | Quantity | Estimated Grade | Location |
|---|---|---|---|
| Ore | Tons | | |
| Concentrates | Tons | | |
| Other | Tons | | |

3. Since , has any production been transported through workings (see of contract)? Yes [ ] No [XX]

If so, state quantity, value, and disposition of material.

| Disposition of Material | Quantity | Value |
|---|---|---|
| | | |

Submitted by: BANNER MINING COMPANY

Name By: A. B. Bowman Title Vice President & General Manager

Address P.O. Box 5605, Tucson, AZ 85703 Date September 23, 1966

4221

# INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee

☒ Show address where delivered

*(Additional charges required for these services)*

## RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

Richard E. Chilson

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

Regesberg Zimmer Main Office

| DATE DELIVERED | SHOW WHERE DELIVERED *(only if requested)* |
|---|---|
| JUN 2 1966 | |

C55—16—71548-5—F GPO

FILE DEPART.
OFFICIAL BUSINESS

PA[illegible]NT OF [illegible]

POSTMARK OF DELIVERING OFFICE

TUCSON, ARIZ.
JUN 2 1966

INSTRUCTIONS: Fill in items below and complete instructions on other side, if applicable. Moisten gummed ends, attach and hold firmly to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO
U. S. Geological Survey

| | |
|---|---|
| REGISTERED NO. 500489 | NAME OF SENDER Office of Minerals Exploration |
| CERTIFIED NO. | STREET AND NO. OR P. O. BOX Dept. of the Interior |
| INSURED NO. | CITY, STATE, AND ZIP CODE Washington, D. C. 20242 |

POD Form 3811 Sep. 1963

C55—16—71548-6—F

DMEA 4221

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON 25, D. C.

December 4, 1963

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 17 1963

| DATE | INITIALS | CODE |
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| 12/17 | [illegible] | 800 |
| [illegible] | [illegible] | 100 |
| 12/19 | Murphy | ~~500~~ |
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| | | |
| | | |
| | | 220 |

Mr. Richard E. Chilson
President
Lewisohn Copper Corp.
P. O. Box 2728
Tucson, Arizona

Re: DMEA-4221 (Copper)
Lewisohn Copper Corp.
Peach and Elgin Mines
Pima County, Arizona
Contract Idm-E1027

Dear Sir:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

F M Murphy

F. M. Murphy, Acting Chief
Division of Minerals

MME Form 63
Revised 3-62

## REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since October 15, 1962 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since October 15, 1962 , has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

| | Quantity | Value |
|---|---|---|
| NONE | NONE | NONE |

   B. If stockpiled awaiting sale, state quantity, grade, and location.

| Type | Quantity | | Estimated Grade | Location |
|---|---|---|---|---|
| Ore | NONE | Tons | NONE | NONE |
| Concentrates | | Tons | | |
| Other | | Tons | | |

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

| Disposition of Material | Quantity | Value |
|---|---|---|
| NONE | NONE | NONE |

Submitted by:

Name Richard R. Chilson Title Pres., Lewisohn Copper Corp.

Address P. O. Box 2728, Tucson Date December 10, 1963

4511

Re: DM8a-4221

Reply incomplete. Furthermore Apr. should be advised that it is "surety" regardless of sale of property.

(Apr's present president, Chilson, is a "slicker". We've never been able to get a proper assuming for royalty under contract in his own name — DM8a-2843)

Talbot
9/10/62

Follow up —
Possibly we should notify
Bunnell of our [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON 25, D. C.

August 17, 1962

Re: DMEA-4221 (Copper)
Lewisohn Copper Corp.
Peach & Elgin Properties
Pima County, Arizona
Contract Idm-E1027

Richard E. Chilson, President
Lewisohn Copper Corp.
P. O. Box 2728
Tucson, Arizona

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E
RECEIVED SEP 10 1962

| DATE | | CODE |
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| 9/10 | | 800 |
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| " | Reserved | 500 |
| | | |
| | | |
| | | |
| | | 210 |

MME Form 63
Revised 3-62

## REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since May 20, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes [X] No [X]

   Subject property under contract to Banner Mining Company. Details have been provided.

2. Since May 20, 1960, has there been any production from the land subject to the contract? Yes [ ] No [ ]

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

| | Quantity | Value |
|---|---|---|
| | | |

   B. If stockpiled awaiting sale, state quantity, grade, and location.

| Type | Quantity | | Estimated Grade | Location |
|---|---|---|---|---|
| Ore | | Tons | | |
| Concentrates | | Tons | | |
| Other | | Tons | | |

3. Since , has any production been transported through workings (see of contract)? Yes [ ] No [ ]

   A. If so, state quantity, value, and disposition of material.

| Disposition of Material | Quantity | Value |
|---|---|---|
| | | |

Submitted by:

Name Richard E. Chelson Title President, Lewisohn Copper Corp.

Address P. O. Box 2728, Tucson Date August 27, 1962

4511

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS
EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL BUSINESS

Office of Minerals Exploration
Washington 25, D. C.

NO SUCH NUMBER

Gmc
1/01

POSTAGE AND FEES PAID
DEPARTMENT OF THE INTERIOR

Returned
220

RE
WRITER

20

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON 25, D. C.

August 10, 1962

Re: DMEA-4221 (Copper)
Lewisohn Copper Corp.
Peach & Elgin Properties
Pima County, Arizona
Contract Idm-E1027

Lewisohn Copper Corporation
128 North Church Avenue
Tucson, Arizona

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

DMEA-4221
Idm-E1027

## REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since May 20, 1960 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since May 20, 1960 , has there been any production from the land subject to the contract? Yes ☐ No ☐

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

| | Quantity | Value |
|---|---|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

   B. If stockpiled awaiting sale, state quantity, grade, and location.

| Type | Quantity | | Estimated Grade | Location |
|---|---|---|---|---|
| Ore | _____ | Tons | _____ | _____ |
| Concentrates | _____ | Tons | _____ | _____ |
| Other | _____ | Tons | _____ | _____ |

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

| Disposition of Material | Quantity | Value |
|---|---|---|
| _____ | _____ | _____ |

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 28 1960

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| 1-28 | gad | VVO |
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UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado
January 25, 1960

Mr. Richard E. Chilson, President
Levisohn Copper Corp.
P. O. Box 2723
Tucson, Arizona

Re: Docket No. DMEA 4221 (Copper)
Contract No. Idm-E1027
(Peach and Elgin mines)
Pima County, Arizona

Dear Mr. Chilson:

In reference to the "Certification by the United States of America of a Discovery or Development under an exploration Project Contract" and the instructions in the Washington Office letter of transmittal of the Certification on the captioned project, please indicate your answer to the following questions and return one copy of the questionnaire immediately to this office.

Very truly yours,
Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

1. Has the property been sub-leased or any change made in ownership other than this office has been notified? Yes ___ No ___. If yes, please furnish details of the transaction on a separate sheet and include a true or signed copy of any instrument that was executed in conjunction with the matter.

2. Has there been production from the land subordinated under the referenced contract since January 1, 1959 ? Yes ___ No ___. If yes, and shipments made, who was the purchaser? _____

3. Is any of the following material stockpiled? Yes ___ No ___.

(a) Ore, Tons _____ Estimated grade _____
(b) Concentrates, lbs. _____ Estimated grade _____
(c) Low grade ore, tons _____ Estimated grade _____
Place stockpiled _____

Signed _____

Title _____ Date _____

TMR:ltm cc" Chmn. Op. Comm. Roy. Corres. E 1027 Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
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| 6/7 | glr | 500 |
| | | 225 |
| | | |
| | | |

June 3, 1960

Memorandum:

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Report of Certified Project for the period
January 1, 1959 to December 31, 1959

DMEA Docket No. 4221 Contract Idm-E1027 (Copper)
Lewisohn Copper Corporation
(Peach and Elgin Mines)
Pima County, Arizona

Enclosed are the original and one copy of the subject report.

Hugh M. Connors

Hugh M. Connors

Enclosure

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUN 6 1960

| DATE | INITIALS | CODE |
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OFFICE OF MINERALS EXPLORATION

REGION III

Statement in Lieu of Interim Report
of Certified Project

Reporting Period January 1, 1959 to December 31, 1959

Docket and Contract Number DMEA-4221, Idm-E1027

Operator Lewisohn Copper Corporation (Copper)
(Peach and Elgin Mines) Pima County, Arizona

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [ ]

Remarks:

The Operator's reported the project was inactive during the reporting period.

The writer made an on-site inspection of the property while in the vicinity on other OME business 5/20/60. Findings during this and previous inspections indicate the property has been inactive since the contract was terminated.

Signed D M Combs Date 5/27/60

OME, REGION III

Statement in Lieu of Semiannual Report

Reporting Period July 1, 1958 through December 31, 1958
Docket and Contract Number DMEA 4221, Idm-E1027 (Copper)
Operator Lewisohn Copper Corporation

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

FILE COPY
O. M. E.
RECEIVED APR 9 1959

| DATE | INITIALS | CODE |
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| 4-9 | C | 220 |
| 4/10 | CEF | ~~410~~ |
| 4/10 | wel | 800 |
| | | 500 |

Original signed by

Signed T. M. Romslo

Date April 2, 1959

FINAL DISTRIBUTION
MADE JUN 27 1957

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Lenhardt Copper Corporation
128 North Church Avenue
Tucson, Arizona

Date: June 25, 1957
Payee's Reference: April 1957

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 6,484.05

Difference $ 115.50

Amount Approved $ 6,369.35

The reason for the difference was due to:

Suspend:
Reported Stage II drilling costs to date, 1015 ft at a total cost of - 10,265.50
Allowable Stage II drilling costs to date, 1035 ft at $10.00 per ft - 10,150.00
Amount to be suspended. 115.50

Reinstate: $750.00 which was withheld from the March 1957 voucher pending determination of the completion date.

Withhold: $750.00 pending resumption of contract work, which has been temporarily suspended.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

DATA COPY
DMEA
RECEIVED JUL 1 1957

| DATE | [illegible] | CODE |
|---|---|---|
| 7/1 | [illegible] | 110 |
| 7/3 | [illegible] | 500 |

R-III-B & F Form No. 4
4-15-52 D

224 New Customhouse
Denver 2, Colorado

June 24, 1957

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-4221, (Copper) Contract Idm-K1027
Lewisohn Copper Corporation (Peach mine) Pima County,
Arizona - Operator's Monthly Progress Report for the
month of April, 1957

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

Except as otherwise indicated below, we consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Amount to be Suspended:

The reported Stage II drilling costs to date exceed the maximum allowable average unit cost, therefore the excess cost is to be suspended as follows, subject to possible reinstatement at a later date to the extent that subsequent Stage II drilling costs may fall below the allowable unit cost.

| | |
|---|---|
| Reported Stage II drilling costs to date, 1015 feet, at total cost of | $10,265.50 |
| Allowable Stage II drilling costs to date, 1015 feet, at $10.00 per foot | 10,150.00 |
| Amount to be suspended | $ 115.50 |

Amount to be Reinstated:

Reinstate the amount of $750.00 which was withheld from the March, 1957, voucher pending extension of the completion date. The completion date was extended to October 1, 1957, by Amendment No. 2.

Amount to be Withheld:

Withhold an amount of $750.00 pending resumption of contract work, which has been temporarily suspended. If the contract work is not resumed, continue to withhold the amount of $750.00 pending resolution of matters which are prerequisite to closing the account.

Reconciliation with the Amount Reported by the Operator on Form MF-104 for April, 1957

| | | |
|---|---|---|
| Amount reported on Form MF-104 for April, 1957 | | $6,484.85 |
| Amount to be suspended | | 115.50 |
| Total accepted cost for April, 1957 | | $6,369.35 |
| Government participation at 50 percent | | $3,184.68 |
| Amount to be reinstated | $750.00 | |
| Amount to be withheld | 750.00 | |
| Net amount to be reinstated or withheld | | 0.00 |
| Balance due the Operator | | $3,184.68 |

Note: Attached is a copy of a letter from the Operator dated June 20, 1957, which clarifies the documentation of drilling costs.

Remarks:

Date of Report ---------- May 31, 1957
Date Received in Field Office ---------- June 6, 1957
Date received in Region Office ---------- June 10, 1957

Original signed by
W. H. KING

W. H. King

Enclosures

JDC:hsh

cc: Chem. Op. Comm. (2)
IMBA, Tuc.
Harshman } w/copy of Engr's report and
Townsend } Oper. letter of 6/20/57
MF-104 file, Reg. III
Chron.

# LEWISOHN COPPER CORP.

128 NORTH CHURCH
TUCSON, ARIZONA

DMEA
DEPARTMENT OF THE INTERIOR
JUN 21 1957
REGION III
DENVER, COLORADO

June 20, 1957

Mr. W. H. King, Executive Officer
DMEA Field Team, Region III
234 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-4221 (Copper)
Contract Idm E 1027
Lewisohn Copper Corp.
(Peach Mine)
Pima County, Arizona

Dear Mr. King:

This will acknowledge your letter of June 11th requesting six copies of the drilling contract between Lewisohn Copper Corp. and Purcell Mining and Drilling Company, of Tucson. The contract is enclosed and the explanation of the calculation follows.

The hole in question was started March 19th in the hardest and most difficult formation to drill thus far encountered. The drilling contractor spent 14-1/3 days, or 43 shifts, drilling the hole to a depth of 210 feet. Inasmuch as this was due to hard formation and/or trouble in keeping a straight hole, and the shift advance was considerably less than 15 feet, we reimbursed the drilling company at the rate of $100.00 per shift for 43 shifts, according to the terms of the contract. This amount was reduced by the 210 feet at $6.00 per foot which was drilled during this period, and by 48 hours of rig or delay time at $12.50 per hour, which also occurred during this period and which was paid for under heading of "Rig Time."

The contractor's invoice should have been set up as follows:

(See next page)

EXTRA COPY
DMEA
RECEIVED JUL 1 1957

| DATE | INITIALS | CODE |
|---|---|---|
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| | | |
| | | |
| | | |
| | | |

| | | | |
|---|---|---|---|
| 43 guaranteed shifts @100.00 | | $4,300.00 | |
| Less 210' drilling @6.00 | $1,260.00 | | |
| Less 48 hrs rig time @12.50 | 600.00 | 1,860.00 | |
| Net Guaranteed Time | | | $2,440.00 |
| 295' drilling @6.00 | | | $1,770.00 |
| 90' reaming @4.00 | | | 360.00 |
| 2722' casing @0.25 | | | 680.50 |
| 8' conductor pipe @ 4.00 (left in hole) | | | 32.00 |
| Total, | | | $5,282.50 |

We realize now that a letter of explanation should have accompanied the monthly report and are sorry if this confusion has caused you any inconvenience.

Very truly yours,

B. H. Martin

B. H. Martin
Manager

BHM:bjg
Enclosure: Drilling Contract (6)
cc: Martin Romslo, U. S. B. M. - Tucson

DMEA
DEPARTMENT OF THE INTERIOR
JUN 10 1957
REGION III
DENVER, COLORADO

June 7, 1957

Memorandum

To: E. N. Harshman, Acting Executive Officer, DMEA Field Team, Region III

From: Superintendent, Southwest Experiment Station

Subject: April 1957 Progress Report, Project DMEA-4221 (Copper), Contract 14n-21027, Louisiana Copper Corp. (Peach Mine), Pima County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;
(2) Operator's narrative report with assays, drill log, and map.
(3) Forms DF-164 and DF-164A with drill contractor's invoice and assayer's invoices.

Also enclosed are 4 extra copies of our engineer's report.

The operator's April report was received in the Tucson office on June 6, 1957.

As all work is in accordance with terms of the contract, I recommend that the Government's share of the costs be paid with the possible exceptions as noted by T. M. Sample, mining engineer, Bureau of Mines, in his report.

Signed by Walter R. Storms

Walter R. Storms

CC Exec. Officer (8)
DMEA-4221
DF

WRStormsfr:

DATE

June 7, 1967

Memorandum

To: Walter R. Stoms, Superintendent, Southwest Experiment Station

From: T. M. Sample, Mining Engineer, Tucson, Ariz.

Subject: Progress Report for April 1967, Docket [illegible] (Copper), Contract [illegible], Louisiana Copper Cry. (Peach Mine), Pima County, Ariz.

On May 2, 1967, I visited the Peach Mine and checked exploratory progress under subject contract with E. H. Martin, manager. I found that operations had been resumed after completing hole E-4 at 305 feet on April 4, 1967.

The operator reports that hole E-4 developed 100 vertical feet of material averaging 0.80 percent copper. Drill hole data shows that the 140 feet comprises 3 zones that are separated by 2 thick sections of material containing about 0.2 percent copper.

ANALYSIS OF THE OPERATOR'S REPORT

The report was received June 6 after I had verbally requested it on several occasions.

Form NF-104

Drilling - The $4,[illegible].00 is for the authorized 305 feet of diamond drilling in hole E-4. It is supported by the original and certified copies of the Independent Contractor's invoice. The average per foot costs of this hole and all stage 2 drilling, respectively $[illegible] and $[illegible], exceeds the allowable $10.00. On the basis of stage 2 costs to date, the disallowable portion of the $3,[illegible].00 is $[illegible] ([illegible] x $[illegible])

Incidentals - The $1,[illegible].13 is for the 305 feet of drilling at the authorized additional cost of $2.03 per foot.

CC. Reg. Off. (Orig. & 3)
[illegible]
NF

TMSample:fr

Assays - The $147.20 is for the analysis of 92 samples at the authorized cost of $1.60 each. The analyses of these samples and the following 15 check samples are shown on the assayer's certificate and the operator's assay log of the hole.

Check Assays - The $30.00 is for the analysis of the previously mentioned 15 check samples at $2.00 each.

Totals - The monthly total of $6,484.85 is correct before the probable disallowance of $115.80 in contract drilling cost. The other costs, $47,085.75 and $53,878.00, do not reflect the $106.80 disallowance of the February voucher.

As part of the drilling was done after the termination date of the contract, participation in the full amount of approved costs is contingent upon approval of the request for additional working time.

Form MF-104A

The to date unit cost of Stage 2 drilling should be $10.1130. The reported $9.62 is approximately the cost of all drilling. With this exception and the previously indicated differences in total costs, the form is properly completed.

Narrative Report

The narrative report with attached map is considered satisfactory.

RECOMMENDATION

Continue to withhold the $750.00 pending resumption of operations and completion of additional work.

Respectfully submitted,

T. H. Romalo
Mining Engineer
Southwest Experiment Station

# LEWISOHN COPPER CORP.

128 NORTH CHURCH
TUCSON, ARIZONA

May 31, 1957

## NARRATIVE REPORT FOR APRIL 1957

Docket No. DMEA 4221 (Copper)
Contract No. Idm-E 1027
Lewisohn Copper Corp. (Peach Mine)
Pima County, Arizona

Churn drilling under Contract No. Idm-E 1027 was continued into the month of April with the completion of Hole No. 50 on April 4th by the Purcell Mining and Drilling Company of Tucson, Arizona, using a type 60L Bucyrus-Erie drill. Upon completing this hole, drilling operations were suspended and a 90-day recess requested.

The statistics on this hole are as follows:

| DMEA NO. | OUR NO. | GRID LOCATION | DEPTH |
|---|---|---|---|
| 12 | 50 | K-4 | 505 Feet |

A total of 92 samples were taken, the sampling and assaying procedure being the same as previously described.

There is attached to this report a photostatic copy of the assay and geologic logs of hole 50, as well as copies of the assay certificates. There is also attached a map showing previous as well as April drilling in both plan and section.

The first 250 feet of Hole 50 were extremely hard drilling and several crevasses were encountered, resulting in loss of sample in some cases. No difficulty was experienced with the hole below 250 feet. This hole developed 160 vertical feet of material averaging 0.80% copper.

LEWISOHN COPPER CORP.

By B. H. Martin
B. H. Martin, Manager

BHM:bjg

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April 1957 Docket No. DMEA 4221 Contract No. Idm-E 1027
Operator's Name Lewisohn Copper Corp. Minerals Copper
Address 128 North Church, Tucson, Arizona
Contract Amount, $ 88,780.00 Government Participation: 50 % Amount, $ 44,390.00

| ITEMS OF COSTS | FOR OPERATOR'S USE: Monthly Total | Totals Previously Reported | Totals To Date | FOR GOVERNMENT USE ONLY: Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
|---|---|---|---|---|---|---|
| (1) Independent Short Form Contracts: | | | STAGE I | | | |
| Drilling | 0 | 32,743.25 | 32,743.25 | 8/9/57 OBJ | | |
| ~~Bulldozing~~ xxxxxIncidentals | 0 | 7,023.80 | 7,023.80 | | | |
| ~~xxxxxxx~~ Assays | 0 | 1,068.80 | 1,068.80 | | | |
| xxxxxCheck Assays | 0 | 78.00 | 78.00 | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | STAGE II | | | |
| ~~xxxxx~~ | | | | | | |
| ~~xxxxxx~~ Drilling | 5,282.50 | 4,983.00 | 10,265.00 | | | |
| xxxIncidentals | 1,025.15 | 1,035.30 | 2,060.45 | | | |
| xxxxAssays | 147.20 | 161.60 | 308.80 | | | |
| Check Assays | 30.00 | 0 | 30.00 | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 6,484.85 | 47,093.75 | 53,578.60 | 6,369.35 | 47,093.75 | 53,463.10 |
| | | | | 11- | 108.80 | 108.80 |
| | | | | 46,984.95 | | 53,354.30 |
| | | | | $3184.68 | | |

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 31, 1957 Payee Lewisohn Copper Corp.
Per B. N. Martin Title Manager
B. N. Martin

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(See instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

Signature
(Authorized Certifying Officer)

Date 6/25/57 Vou. No. DMA 57-140
(See other side)

Note: Withhold 750.00
1st Previous Disallowance

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1027 in accordance with the terms of the contract.

Signature M Ramah Title Mining Engineer Date 6-7-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W H King Title Executive Officer Date JUN 24 1957

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

## OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1957 Docket No. DMEA 4221 Contract No. Idm-E 1027
Operator's Name Lewisohn Copper Corp. Minerals Copper
Address 128 North Church, Tucson, Arizona

| OPERATION | UNIT | COSTS THIS MONTH | UNITS THIS MONTH | COSTS TO DATE | UNITS TO DATE | UNIT COSTS TO DATE | AUTHORIZED BY CONTRACT Units | AUTHORIZED BY CONTRACT Unit Costs |
|---|---|---|---|---|---|---|---|---|
| | | | STAGE I | | | | | |
| Drilling | Ft. | 0 | 0 | 32,743.25 | 3,460 | 9.46 | 3,600 | 10.00 |
| Incidentals | Ea | 0 | 0 | 7,023.80 | 3,460 | 2.03 | 3,600 | 2.03 |
| Assays | Ea | 0 | 0 | 1,068.80 | 668 | 1.60 | 600 | 1.60 |
| Check Assays | Ea | 0 | 0 | 78.00 | 39 | 2.00 | 60 | 2.00 |
| Winzes | | | | | | | | |
| | | | STAGE II | | | | | |
| Drilling: Core | | | | | | | | |
| Drilling | Ft | 5,282.50 | 505 | 10,265.50 | 1,015 | 9.62 | 3,600 | 10.00 |
| Incidentals | Ea | 1,025.15 | 505 | 2,060.45 | 1,015 | 2.03 | 3,600 | 2.03 |
| Assays | Ea | 147.20 | 92 | 308.80 | [illegible] | 1.60 | 600 | 1.60 |
| Check Assays | Ea | 30.00 | 15 | 30.00 | 15 | 2.00 | 60 | 2.00 |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| TOTAL DISTRIBUTED COSTS | | | | | | | | TOTAL COSTS AUTHORIZED BY CONTRACT |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| TOTAL COSTS | | 6,484.85 | | 53,578.60 | | | | 88,780.00 |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date May 31, 1957 Operator Lewisohn Copper Corp.

Per B. H. Martin Title Manager
B. H. Martin

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

REMARKS:

(Instructions on reverse)

(For Government use only)

RECEIVED JUL 1 1957 D.M.E.A.

T Mombo

## INSTRUCTIONS

*Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

DUPLICATE

PHONES: TUCSON 3-2373 OR 5-1385: TIG[illegible]O

# PURCELL MINING AND DRILLING COMPANY

P. O. Box 670
TUCSON, ARIZONA

April 8, 1957

EXTRA COPY
D M E A
RECEIVED JUL 1 1957
DATE | INITIALS | CODE

Lewisohn Copper Corporation,
128 N Church Ave.
Tucson, Arizona.

Grid Location:
HOLE NO. 50

| | | |
|---|---|---|
| 43 Guaranteed shifts @ $100.00 per shift | | $4300.00 |
| Less: 210 ft. drilling @ $6.00 per foot | $1260.00 | |
| 48 hrs rig time @ 12.50 per hour | 600.00 | 1860.00 |
| | | $2440.00 |
| 295 ft. drilling @ $6.00 per foot | | 1770.00 |
| 90 ft. reaming @ 4.00 per foot | | 360.00 |
| 2722 ft. casing @ .25 per foot | | 680.50 |
| 8 ft. conductor pipe @ $4.00 per ft. (left in hole) | | 32.00 |
| | | $5282.50 |

MEMO:
The charges for this Hole are predicated on the hard drilling, inaccessibility of drilling location, which slowed up operations materially.

PURCELL DRILLING COMPANY

By Martha G Purcell
Martha G Purcell

Received payment

Martha G Purcell
Martha G. Purcell.

Certified copy
BHM

GEO. L. DICKINSON—PRESIDENT
GEO. G DICKINSON— VICE-PRESIDENT
ROBERT L. DICKINSON -VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

March 29, 1957

DICKINSON LABORATORIES

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

CORRECTED COPY

LAB. NO. 11575

Lewisohn Copper Corp.
128 North Church
Tucson, Arizona

Attn: Mr. B.H. Martin, Gen. Mgr.

Gentlemen:

Following are our assays on 46 samples received by this office on March 26, 1957.

| Sample No. | Percent Copper | Sample No. | Percent Copper |
|---|---|---|---|
| 1652-1 plus 10 | 0.78 | 1785 | 0.48 |
| " -10 plus 100 | 0.95 | 1795 | 0.19 |
| " -100 | 1.83 | 1805 | 0.73 |
| 1652-2 plus 10 | 0.58 | 1851 | 0.15 |
| " -10 plus 100 | 0.93 | 1852 | 1.00 |
| " -100 | 1.88 | 1853 | 2.63 |
| 1660-1 plus 10 | 1.65 | 1854 | 1.98 |
| " -10 plus 100 | 1.75 | 1855 | 0.88 |
| " -100 | 0.88 | 1856 | 0.30 |
| 1660-2 plus 10 | 1.93 | 1857 | 0.33 |
| " -10 plus 100 | 1.75 | 1858 | 0.35 |
| " -100 | 0.88 | 1859 | 0.58 |
| 1542 | 0.25 | 1860 | 0.70 |
| 1564 | 1.00 | 1861 | 0.68 |
| 1582 | 1.05 | 1862 | 1.48 |
| 1586 | 0.28 | 1863 | 0.70 |
| 1634 | 0.30 | 1864 | 0.68 |
| 1652 | 1.33 | 1865 | 0.23 |
| 1660 | 1.23 | 1866 | 0.15 |
| 1668 | 0.12 | 1867 | 0.13 |
| 1730 | 0.98 | 1868 | 0.10 |
| 1762 | 0.85 | 1869 | 0.10 |
| 1775 | 0.30 | 1870 | 0.05 |

HOLE 5C

Very truly yours,

DICKINSON LABORATORIES, INC.

By: George L. Dickinsonn

GLD:mm

Certified Copy
BOHM

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

April 13, 1957

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

LAB. NO. 11702

Lewisohn Copper Corp.
128 North Church, Tucson, Ariz. Attn: Mr. B.H. Martin, Gen. Mgr.

| Sample No. | % Copper | Sample No. | %Copper |
|---|---|---|---|
| 1871 | 0.10 | 1914 | 0.17 |
| 1872 | 0.05 | 1915 | 0.00 |
| 1873 | 0.10 | 1916 | 0.02 |
| 1874 | 0.19 | 1917 | 0.05 |
| 1875 | 0.24 | 1918 | 0.02 |
| 1876 | 0.24 | 1919 | 0.03 |
| 1877 | 0.05 | 1920 | 0.07 |
| 1878 | 0.07 | 1921 | 0.37 |
| 1879 | 0.05 | 1922 | 0.62 |
| 1880 | 0.00 | 1923 | 0.76 |
| 1881 | 0.27 | 1924 | 0.57 |
| 1882 | 0.49 | 1925 | 0.84 |
| 1883 | 0.22 | 1926 | 0.98 |
| 1884 | 0.39 | 1927 | 0.84 |
| 1885 | 0.29 | 1928 | 0.86 |
| 1886 | 0.59 | 1929 | 0.64 |
| 1887 | 0.44 | 1930 | 0.81 |
| 1889 | 0.49 | 1931 | 0.79 |
| 1892 | 0.19 | 1932 | 0.70 |
| 1893 | 0.22 | 1933 | 0.52 |
| 1898 | 0.34 | 1934 | 0.24 |
| 1899 | 0.44 | 1935 | 0.19 |
| 1900 | 0.84 | 1936 | 0.24 |
| 1901 | 0.71 | 1937 | 0.49 |
| 1902 | 0.81 | 1938 | 0.42 |
| 1903 | 0.49 | 1939 | 0.17 |
| 1904 | 0.64 | 1940 | 0.44 |
| 1906 | 0.52 | 1 941 | 0.24 |
| 1905 | 0.34 | 1942 | 0.27 |
| 1907 | 0.17 | 1943 | 0.29 |
| 1908 | 0.07 | 1944 | 0.19 |
| 1909 | 0.29 | 1945 | 0.29 |
| 1910 | 0.3 2 | 1946 | 0.17 |
| 1911 | 0.15 | 1947 | 0.22 |
| 1912 | 0.3 4 | 1948 | 0.19 |
| 1913 | 0.27 | 1949 | 0.27 |

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GLD:[illegible]

Certified copy
[illegible]

Very truly yours,
DICKINSON LABORATORIES, INC.
By: George L. Dickinson
George L. Dickinson

W. E. HAWLEY, PRES.

TELE: EMPIRE 4-2741

# HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.
537 TWELFTH STREET
DOUGLAS, ARIZONA

BOX 1060
DOUGLAS, ARIZONA
BOX 4
EL PASO, TEXAS

| IDENTIFICATION | GOLD OZS | SILVER OZS | LEAD % | COPPER % | ZINC % | INSOL. % | IRON % | | |
|---|---|---|---|---|---|---|---|---|---|
| 1634 | | | | 0.35 | | | | | |
| 1652 | | | | 1.37 | | | | | |
| 1660 | | | | 1.39 | | | | | |
| 1668 | | | | 0.12 | | | | | |
| 1730 | | | | 1.17 | | | | | |
| 1762 | | | | 1.00 | | | | | |
| 1775 | | | | 0.35 | | | | | |
| 1785 | | | | 0.49 | | | | | |
| 1795 | | | | 0.13 | | | | | |
| 1805 | | | | 0.95 | | | | | |
| 1852 | | | | 1.07 | | | | | |
| 1852 | | | | 1.62 | | | | | |
| 1903 | | | | 0.56 | | | | | |
| 1922 | | | | 0.90 | | | | | |
| 1929 | | | | 0.70 | | | | | |

CHECK ASSAYS - STAGE II

Certified Copy
BHM

CC:
ADD:
CITY:
ADD:
CITY:

REMARKS:

ANALYSIS CERT. BY [illegible]

ACC: LEWISOHN COPPER COMPANY | DATE SPL RECEIVED 5/3/57 | DATE COMPL. 5/7/57 | $ 30.00 | 297688

# DRILL HOLE LOG C-50

D.M.E.A. Hole No. 13
Grid Location: K-4
Collar Elevation: 4579
Total Depth: 505

**Hole Diameter**

| Depth (Feet) | Diameter (Inches) |
|---|---|
| 0-370 | 10 |
| 370-505 | 8 |

| Depth (Feet) | | Geology |
|---|---|---|
| 0-275 | | Marble |
| | 0-30 | Marble. Moderately garnetized. Minor brown translucent calcite. Weak chrysocolla. Weak pyrite, chalcopyrite. Moderate covellite and copper pitch. |
| | 30-45 | Iron-rich gossany material, minor marble and garnet. May be fracture zone. Strong brown limonite, very weak magnetite and chalcopyrite. Weak pyrite and copper pitch. |
| | 45-50 | Tan marble. |
| | 50-80 | White marble, minor limonite, garnet, dark red jasperry cuprite. Weak chrysocolla, copper pitch. Weak to moderate covellite. |
| | 80-195 | White marble. Locally minor gray-green siltstone, garnet, jaspery material, limonite, and chrysocolla. Note: some copper wire from blasting in concentrate at 100-105 but no effect on assay. Spotty very weak magnetite and sulfides. |
| | 195-235 | Samples lost in crevices. |
| | 235-275 | Marble. Similar to 80-195. Moderate brown limonite. 250-265. Moderate chrysocolla 250-275. |
| 275-360 | | Garnetized limestone and gray-green siltstone. Weak chrysocolla. Spotty, very weak magnetite, pyrite, chalcopyrite. |
| 360-460 | | Diopside rock. Mostly black siltstone-like variety. Minor gray-green siltstone. |

| | |
|---|---|
| 360-425 | Moderate to strong magnetite and pyrite. Moderate chalcopyrite. |
| 425-460 | Weak magnetite, pyrite, chalcopyrite. |
| 460-505 | Black quartzite. Weak magnetite, pyrite, chalcopyrite, oxides. |

Ore Zones: 15-80 mixed; 250-285 Oxide, 365-425 Sulfide.

Heavy Sulfide Zone: 365-425

**LEWISOHN COPPER CORP.**

Project Peach

Location Helvetia

ASSAY LOG

Start March 13, 1957
End April 4, 1957

HOLE NO. 50 CHURN DRILL

Grid Location K-4 (OMEGA No. 12)

Coordinates N _____ E _____

Elevation at Collar 4579

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | Overburden | | | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | | Overburden | | | | | | | | | | | | | | | | | | | | |
| 1851 | 10 | 15 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1852 | 15 | 20 | | | | | | 1.06 | | | | | | | | | | | | | | | | |
| 1853 | 20 | 25 | | | | | | 2.63 | | | | | | | | | | | | | | | | |
| 1854 | 25 | 30 | | | | | | 1.98 | | | | | | | | | | | | | | | | |
| 1855 | 30 | 35 | | Sample partially lost in crevice | | | | 0.88 | | | | | | | | | | | | | | | | |
| 1856 | 35 | 40 | | | | | | 0.30 | | | | | | | | | | | | | | | | |
| 1857 | 40 | 45 | | | | | | 0.33 | | | | | | | | | | | | | | | | |
| 1858 | 45 | 50 | | | | | | 0.35 | | | | | | | | | | | | | | | | |
| 1859 | 50 | 55 | | | | | | 0.58 | | | | | | | | | | | | | | | | |
| 1860 | 55 | 60 | | | | | | 0.70 | | | | | | | | | | | | | | | | |
| 1861 | 60 | 65 | | | | | | 0.68 | | | | | | | | | | | | | | | | |
| 1862 | 65 | 70 | | | | | | 1.48 | | | | | | | | | | | | | | | | |
| 1863 | 70 | 75 | | | | | | 0.70 | | | | | | | | | | | | | | | | |
| 1864 | 75 | 80 | | | | | | 0.68 | | 1229/845 | 15-86/65 | | | | | | | | | | | | | |
| 1865 | 80 | 85 | | | | | | 0.23 | | | | | | | | | | | | | | | | |
| 1866 | 85 | 90 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1867 | 90 | 95 | | | | | | 0.13 | | | | | | | | | | | | | | | | |
| 1868 | 95 | 100 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1869 | 100 | 105 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1870 | 105 | 110 | | | | | | 0.05 | | | | | | | | | | | | | | | | |
| 1871 | 110 | 115 | | | | | | 0.16 | | | | | | | | | | | | | | | | |
| 1872 | 115 | 120 | | | | | | 0.05 | | | | | | | | | | | | | | | | |
| 1873 | 120 | 125 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1874 | 125 | 130 | | | | | | 0.19 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

Project: Peach
Location: Helvetia

HOLE NO. 50 CHURN DRILL
Grid Location: K-4
Coordinates N _____ E _____
Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1875 | 130 | 135 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1876 | 135 | 140 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1877 | 140 | 145 | | | | | | 0.05 | | | | | | | | | | | | | | | | |
| 1878 | 145 | 150 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1879 | 150 | 155 | | | | | | 0.05 | | | | | | | | | | | | | | | | |
| 1880 | 155 | 160 | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| 1881 | 160 | 165 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1882 | 165 | 170 | | | | | | 0.49 | | | | | | | | | | | | | | | | |
| 1883 | 170 | 175 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1884 | 175 | 180 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1885 | 180 | 185 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1886 | 185 | 190 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1887 | 190 | 195 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1888 | 195 | 200 | | Sample Lost in crevice | | | | | | | | | | | | | | | | | | | | |
| 1889 | 200 | 205 | | Sample partially lost in crevice | | | | 0.49 | | | | | | | | | | | | | | | | |
| 1890 | 205 | 210 | | Sample lost in crevice | | | | | | | | | | | | | | | | | | | | |
| 1891 | 210 | 215 | | Sample lost in crevice | | | | | | | | | | | | | | | | | | | | |
| 1892 | 215 | 220 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1893 | 220 | 225 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1894 | 225 | 230 | | Sample lost in crevice | | | | | | | | | | | | | | | | | | | | |
| 1895 | 230 | 235 | | Sample lost in crevice | | | | | | | | | | | | | | | | | | | | |
| 1896 | 235 | 240 | | Sample lost in crevice | | | | | | | | | | | | | | | | | | | | |
| 1897 | 240 | 245 | | Sample lost in crevice | | | | | | | | | | | | | | | | | | | | |
| 1898 | 245 | 250 | | | | | | 0.34 | ↑ | 578/214 | 80-250/170 | | | | | | | | | | | | | |
| 1899 | 250 | 255 | | | | | | 0.44 | ↓ | | | | | | | | | | | | | | | |
| 1900 | 255 | 260 | | | | | | 0.84 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

HOLE NO. 50 CHURN DRILL

Project Peach

Location Helvetia

Grid Location K-4

Coordinates N_____ E_____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1901 | 260 | 265 | | | | | | 0.71 | | | | | | | | | | | | | | | | |
| 1902 | 265 | 270 | | | | | | 0.81 | | | | | | | | | | | | | | | | |
| 1903 | 270 | 275 | | | | | | 0.49 | | | | | | | | | | | | | | | | |
| 1904 | 275 | 280 | | | | | | 0.64 | | | | | | | | | | | | | | | | |
| 1905 | 280 | 285 | | | | | | 0.52 | ↑ | 445/.635 | 250-35 | 265 | | | | | | | | | | | | |
| 1906 | 285 | 290 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1907 | 290 | 295 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1908 | 295 | 300 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1909 | 300 | 305 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1910 | 305 | 310 | | | | | | 0.32 | | | | | | | | | | | | | | | | |
| 1911 | 310 | 315 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1912 | 315 | 320 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1913 | 320 | 325 | | | | | | 0.20 | | | | | | | | | | | | | | | | |
| 1914 | 325 | 330 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1915 | 330 | 335 | | | | | | 0.00 | | | | | | | | | | | | | | | | |
| 1916 | 335 | 340 | | | | | | 0.02 | | | | | | | | | | | | | | | | |
| 1917 | 340 | 345 | | | | | | 0.05 | | | | | | | | | | | | | | | | |
| 1918 | 345 | 350 | | | | | | 0.02 | | | | | | | | | | | | | | | | |
| 1919 | 350 | 355 | | | | | | 0.03 | | | | | | | | | | | | | | | | |
| 1920 | 355 | 360 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1921 | 360 | 365 | | | | | | 0.37 | ↑ | 261/.163 | 285-80 | 365 | | | | | | | | | | | | |
| 1922 | 365 | 370 | | | | | | 0.62 | ↓ | | | | | | | | | | | | | | | |
| 1923 | 370 | 375 | | | | | | 0.76 | | | | | | | | | | | | | | | | |
| 1924 | 375 | 380 | | | | | | 0.57 | | | | | | | | | | | | | | | | |
| 1925 | 380 | 385 | | | | | | 0.84 | | | | | | | | | | | | | | | | |
| 1926 | 385 | 390 | | | | | | 0.98 | | | | | | | | | | | | | | | | |

**LEWESOHN COPPER CORP.** ASSAY LOG

HOLE NO. 50 CHURN DRILL

Project Peach

Location Helvetia

Grid Location K-4

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1927 | 390 | 395 | | | | | | 0.84 | | | | | | | | | | | | | | | | |
| 1928 | 395 | 400 | | | | | | 0.86 | | | | | | | | | | | | | | | | |
| 1929 | 400 | 405 | | | | | | 0.64 | | | | | | | | | | | | | | | | |
| 1930 | 405 | 410 | | | | | | 0.81 | | | | | | | | | | | | | | | | |
| 1931 | 410 | 415 | | | | | | 0.79 | | | | | | | | | | | | | | | | |
| 1932 | 415 | 420 | | | | | | 0.70 | | | | | | | | | | | | | | | | |
| 1933 | 420 | 425 | | | | | | 0.52 | ↑ | 893/744 | 765-425/60 | | | | | | | | | | | | | |
| 1934 | 425 | 430 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1935 | 430 | 435 | | | | | | 0.19 | 2567/.802 | 15-80 + 250-2856 / 160 | 765-425 | | | | | | | | | | | | | |
| 1936 | 435 | 440 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1937 | 440 | 445 | | | | | | 0.49 | | | | | | | | | | | | | | | | |
| 1938 | 445 | 450 | | | | | | 0.42 | | | | | | | | | | | | | | | | |
| 1939 | 450 | 455 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1940 | 455 | 460 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1941 | 460 | 465 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1942 | 465 | 470 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1943 | 470 | 475 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1944 | 475 | 480 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1945 | 480 | 485 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1946 | 485 | 490 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1947 | 490 | 495 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1948 | 495 | 500 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1949 | 500 | 505 | | | | | | 0.27 | | | | | | | | | | | | | | | | |

FINAL DISTRIBUTION
MADE JUN 4 1957

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Leuschen Copper Corporation
128 E. Church Avenue
Tucson, Arizona

Date: June 3, 1957
Payee's Reference: March 1957

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 6,229.90

Difference $

Amount Approved $ 6,229.90

The reason for the difference was due to:

Withhold: $750.00 pending resolution of matters relative to extension of the contract completion date.

EXTRA COPY
DMEA
RECEIVED JUN 7 1957

| DATE | INITIALS | CODE |
|---|---|---|
| 6/11 | | 110 |
| 6/14 | | 500 |
| | | |
| | | |
| | | |

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

MF-104

R-III-B & F Form No. 4
4-15-52 D

224 New Customhouse
Denver 2, Colorado

May 28, 1957

Memorandum

To: T. A. Christensen

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-4221, (Copper) Contract Idm-M1027,
Lewisohn Copper Corporation (Peach mine)
Pima County, Arizona - Operator's Monthly Progress
Report for the month of March, 1957

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 50 percent of the amount reported on Form MF-104 for March, 1957, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deduction.

<u>Withhold</u> an amount of $750.00 pending resolution of matters relative to extension of the contract completion date, which has been requested by the Operator in conjunction with a request for additional work and funds.

Remarks:

Date of Report----------May 15, 1957
Date Received in Field Office----------May 17, 1957
Date Received in Region Office----------May 27, 1957

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosures
JBC:hmh
cc: Chmn. Op.Comm. (2)
Storms
Harshman )w/copy of Engr's
Townsend ) report
MF-104 File, Reg. III
Chron.

RECEIVED
DATE | INITIALS | CODE

DMEA
DEPARTMENT OF THE INTERIOR
MAY 27 1957
REGION III
DENVER, COLORADO

May 21, 1957

Memorandum

To: E. N. Harshman, Acting Executive Officer, DMEA Field Team, Region III

From: Superintendent, Southwest Experiment Station

Subject: March 1957 Progress Report, Docket DMEA-4221 (Copper), Contract Idm-X1027, Lewisohn Copper Corp. (Peach Mine), Pima County, Ariz.

Enclosed in quintuplicate are the following:

1. Bureau of Mines engineer's report;
2. Operator's narrative report with map and drill hole long;
3. Forms MF-104 and MF-104A with drilling contractor's invoice and assayer's certificate.

Also enclosed are 4 extra copies of our engineer's report.

The operator's report was not received in the Tucson office until May 17. Reason for the delay is unknown to the writer.

As all work is in accordance with terms of the contract, I recommend that the Government's share of the costs be paid.

Signed by Walter R. Storms

Walter R. Storms

CC Exec. Off. (8)
DMEA-4221
MF

WRStorms:frj

May 17, 1957

Memorandum

To: Walter R. Storms, Superintendent, Southwest Experiment Station.

From: T. M. Romalo, Mining Engineer, Tucson, Arizona.

Subject: Progress Report for March 1957, Docket BMA-4221 (Copper), Contract BM-51027, Louisiana Copper Corp. (Peach Mine), Pima County, Ariz.

On April 1, 1957, I visited the property of subject exploratory contract and checked progress with B. H. Martin, manager. I found that during March, churn drill hole K-4 was completed to a depth of 510 feet and churn drilling of hole K-4 was in progress at a depth of 340 feet.

According to the Operator's assay log, hole K-4 penetrated a 250-foot section of potential ore averaging 0.63 percent copper at a depth of 185 to 426 feet. The operator's geologic log of the hole shows that essentially all of the 250 feet is in the sulfide zone and that the hole was bottomed probably in granite.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Stage 1

Check Assays - The $80.00 is for the check analyses of 25 samples at the authorized cost of $2.00 per sample. It is supported by certified copies of the sampler's certificate. Of the authorized 60 check assays, 30 have been made to date.

Stage 2

Drilling - The $4,281.00 is for the authorized 510 feet of churn drilling in hole K-4, the first of 3 approved holes of stage 2. It is supported by the original and certified copies of the Independent Contractor's invoice. The average per foot cost of the drilling is $8.39.

CC Emecon, Off. (Orig. & 3)
BMA-4221
MF

TMRomalo:frj

**Incidentals** - The $1,035.36 is for the 518 feet of drilling at the authorized additional cost of $2.00 per foot.

**Assays** - The $161.60 is for the analysis of 161 samples at the authorized cost of $1.00 per sample. The analyses are shown on the assayers certificate and the operator's assay log of the hole. The 161 analyses include the original and check assay of sample 1751.

**Totals** - The monthly total of $6,229.90 is correct. The other totals, $40,243.83 and $47,084.75, include the $108.80 disallowance of the February voucher.

Form NE-124A

The costs to date include the above mentioned disallowance.

The per foot cost of Stage 2 drilling to date is $9.77. The reported $8.80 is the average per foot cost of both Stage 1 and 2 drilling. Otherwise, the report is properly completed.

Narrative Report

The report with attached map is considered satisfactory.

Original signed by
T. M. Romelo

T. M. Romelo
Mining Engineer
Southwest Experiment Station

# LEWISOHN COPPER CORP.

128 NORTH CHURCH
TUCSON, ARIZONA


May 15, 1957

## NARRATIVE REPORT FOR MARCH 1957

Docket No. DMEA 4221 (Copper)
Contract No. Idm-E 1027
Lewisohn Copper Corp. (Peach Mine)
Pima County, Arizona

Churn drilling under Contract No. Idm-E 1027 was continued through the month of March by the Purcell Mining & Drilling Company of Tucson, Arizona, using a type 60L Bucyrus-Erie drill.

Only one hole was completed in March, due to road and location construction difficulties. The statistics on this hole are as follows:

| DMEA NO. | OUR NO. | GRID LOCATION | DEPTH |
|---|---|---|---|
| 11 | 49 | E-4 | 510 |

This hole is the first hole under Stage II of the DMEA program.

A total of 101 samples were taken - the sampling and assaying procedure being the same as described in previous reports.

There is attached to this report a photostatic copy of the assay and geologic logs of hole 49, as well as copies of the assay certificates. There is also attached a map showing previous as well as March drilling in both plan and section.

Drilling conditions for hole 49 were good and no difficulty was experienced either with hardness or with maintaining straightness. Hole 49 developed 250 vertical feet of material averaging 0.63% copper. Although much higher grades may be obtained by elimination of some low grade zones.


COPY
DMEA
RECEIVED JUN 7 1957

| DATE | INITIALS | CODE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |


LEWISOHN COPPER CORP.

By B. H. Martin

B. H. Martin, Manager

BHM:bjg

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March 1957 Docket No. DMEA 4221 Contract No. Idm E 1027
Operator's Name Lewisohn Copper Corp. Minerals Copper
Address 128 North Church, Tucson, Arizona
Contract Amount, $ 88,780.00 Government Participation: 50 % Amount, $ 44,390.00

| ITEMS OF COSTS | FOR OPERATOR'S USE: Monthly Total | Totals Previously Reported | Totals To Date | FOR GOVERNMENT USE ONLY: Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
|---|---|---|---|---|---|---|
| | | STAGE I | | | | |
| (1) Independent Short Form Contracts: | | | | | | |
| Drilling | 0 | 32,743.25 | 32,743.25 | 8/9/57 | | |
| ~~xxxxxx~~Incidentals | 0 | 7,023.80 | 7,023.80 | | | |
| Bulldozing ~~xxxxxxxx~~ Assays | 0 | 1,068.80 | 1,068.80 | | | |
| Crosscutting ~~xxxxx~~Check Assays | 50.00 | 28.00 | 78.00 | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| ~~xxxx~~ Labor | | | | | | |
| ~~xxxxxxx~~ Supervision | | | | | | |
| ~~xxxxxxxxxxx~~ Technical Services | | | | | | |
| | | STAGE II | | | | |
| (3) Operating Mat'ls and Supplies: | | | | | | |
| Timber ~~xxx~~ Drilling | 4983.00 | 0 | 4,983.00 | | | |
| Explosives ~~xxxxxx~~Incidentals | 1035.30 | 0 | 1,035.30 | | | |
| Pipe ~~xxx~~ Assays | 161.60 | 0 | 161.60 | | | |
| Track ~~xxx~~ Check Assays | 0 | 0 | 0 | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 6229.90 | 40,863.85 | 47,093.75 | 6,229.90 | 40,863.85 | 47,093.75 |
| | | | | 4 | 108.80 | 108.80 |
| | | | | | 40,755.05 | 46,984.95 |
| | | | | | $2364.95 | |

DMEA RECEIVED JUN 7 1957

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 15, 1957 *Payee Lewisohn Copper Corp.
B. H. Martin
Per B. H. Martin Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
Signature
(Authorized Certifying Officer)
Date 6/3/57 Vou. No. DMA 57-130
(See other side)

Note: Withhold 750
4 - Previous Disallowance

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IGm-E1027 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 5-17-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Acting Executive Officer Date MAY 28 1957

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1957 Docket No. DMEA 4221 Contract No. Idm E 1027

Operator's Name Lewisohn Copper Corp. Minerals Copper

Address 128 North Church, Tucson, Arizona

| OPERATION | Unit | Costs This Month | Units This Month | Costs to Date | Units to Date | Unit Costs to Date | Authorized by Contract Units | Authorized by Contract Unit Costs |
|---|---|---|---|---|---|---|---|---|
| | | | STAGE I | | | | | |
| ~~Drifting~~ ~~Crosscutting~~ ~~Raising~~ ~~Shafts~~ Drilling | Ft. | 0 | 0 | 32,743.25 | 3,460 | 9.46 | 3,600 | 10.00 |
| Incidentals | Ea. | 0 | 0 | 7,023.80 | 3,460 | 2.03 | 3,600 | 2.03 |
| Assays | Ea. | 0 | 0 | 1,068.80 | 668 | 1.60 | 600 | 1.60 |
| Check Assays | Ea. | 50.00 | 25 | 78.00 | 39 | 2.00 | 60 | 2.00 |
| Winzes | | | | | | | | |
| Drilling: Core | | | STAGE II | | | | | |
| ~~Churn~~ Drilling | Ft. | 4983.00 | 510 | 4,983.00 | 510 | 9.50 | 3,600 | 10.00 |
| ~~Auger~~ Incidentals | Ea. | 1035.30 | 510 | 1,035.30 | 510 | 2.03 | 3,600 | 2.03 |
| ~~Sampling~~ Assays | Ea. | 161.60 | 101 | 161.60 | 101 | 1.60 | 600 | 1.60 |
| ~~Trenching~~ Check Assays | Ea. | 0 | 0 | 0 | 0 | 0 | 60 | 2.00 |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | 6229.90 | | 47,093.75 | | | | 88,780.00 |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date May 15, 1957 Operator Lewisohn Copper Corp.

Per B. H. Martin Title Manager

B. H. Martin

Remarks:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

RECEIVED JUN 7 1957 D.M.E.A.

M Romolo

## INSTRUCTIONS

*Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc.". The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

PHONES: TUCSON 3-2373 OR 5-1385: TIGE[illegible]

# PURCELL MINING AND DRILLING COMPANY

P. O. Box 670

TUCSON, ARIZONA

March 11, 1957

Lewisohn Copper Corporation,
128 N Church Ave.
Tucson, Arizona.

EXTRA COPY
D M E A
RECEIVED JUN 7 1957

| DATE | INITIALS | CODE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

Grid Location:
Hole Number 49.

| | | |
|---|---|---|
| 510 ft. drilling | @ $6.00 per foot | $3060.00 |
| 3862 ft. casing | @ .25 " " | 965.50 |
| 215 ft. reaming | @ 4.00 " " | 860.00 |
| 131 ft. liner | @ .50 " " | 65.50 |
| 8 ft. conductor pipe (left in hole) | @ $4.00 per ft. | 32.00 |
| | | $4983.00 |

PURCELL DRILLING COMPANY

By Martha G. Purcell
Martha G. Purcell, Owner.

Received payment:

Martha G. Purcell
Martha G. Purcell, Owner.

Certified copy
BHM

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

P. O. BOX 7006 • PHONE 2-3284
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

March 13, 1957

LAB. NO. 11A92

Lewisohn Copper Corp.
128 North Church,
Tucson, Ariz.

Mr. B.H. Martin, Gen. Mgr.

Gentlemen:

Following are our copper assays on 55 samples received by us on March 11th P.M. :

HOLE 49

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| No. 1726 | 0.15 | 1753 | 0.10 |
| 1727 | 0.17 | 1754 | 0.15 |
| 1728 | 0.19 | 1755 | 0.15 |
| 1729 | 0.44 | 1756 | 0.12 |
| 1730 | 1.28 | 1757 | 0.10 |
| 1731 | 0.39 | 1758 | 0.10 |
| 1732 | 0.66 | 1759 | 0.31 |
| 1733 | 0.59 | 1760 | 0.31 |
| 1734 | 0.39 | 1761 | 0.68 |
| 1735 | 0.27 | 1762 | 0.94 |
| 1736 | 0.17 | 1763 | 0.63 |
| 1737 | 0.07 | 1764 | 0.17 |
| 1738 | 0.10 | 1765 | 0.19 |
| 1739 | 0.22 | 1766 | 0.27 |
| 1740 | 0.12 | 1767 | 0.39 |
| 1741 | 0.17 | 1768 | 0.44 |
| 1742 | 0.17 | 1769 | 0.85 |
| 1743 | 0.10 | 1770 | 1.14 |
| 1744 | 0.19 | 1771 | 0.94 |
| 1745 | 0.24 | 1772 | 0.82 |
| 1746 | 0.34 | 1773 | 1.12 |
| 1747 | 0.29 | 1774 | 0.61 |
| 1748 | 0.36 | 1775 | 0.29 |
| 1749 | 0.29 | 1776 | 0.82 |
| 1750 | 0.44 | 1777 | 0.79 |
| 1751 | 0.17 | 1778 | 0.82 |
| 1752 | 0.10 | 1779 | 0.73 |
| | CD 49 E4 135-140 | 1751 | 0.22 |

Respectfully submitted,

DICKINSON LABORATORIES, INC.

Geo. L. Dickinson

Certified copy
BHM

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-8264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Mch. 17, 1957.

LAB. NO. 11460

Lewisohn Copper Corp.,
128 North Church,
Tucson, Ariz.

Mr. B. H. Martin, Gen. Mgr.

Gentlemen:

Following are our copper assays on 46 samples received at our office on Mch. 15th:

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1780 | 0.39 | 1803 | 0.68 |
| 1781 | 0.31 | 1804 | 0.42 |
| 1782 | 0.39 | 1805 | 0.78 |
| 1783 | 0.34 | 1806 | 0.85 |
| 1784 | 0.29 | 1807 | 1.19 |
| 1785 | 0.51 | 1808 | 1.31 |
| 1786 | 0.54 | 1809 | 0.82 |
| 1787 | 0.46 | 1810 | 0.59 |
| 1788 | 0.78 | 1811 | 0.42 |
| 1789 | 0.92 | 1812 | 0.36 |
| 1790 | 0.72 | 1813 | 0.49 |
| 1791 | 0.54 | 1814 | 0.43 |
| 1792 | 0.54 | 1815 | 0.36 |
| 1793 | 0.60 | 1816 | 0.29 |
| 1794 | 0.39 | 1817 | 0.27 |
| 1795 | 0.19 | 1818 | 0.39 |
| 1796 | 0.12 | 1819 | 0.39 |
| 1797 | 0.61 | 1820 | 0.31 |
| 1798 | 0.82 | 1821 | 0.36 |
| 1799 | 0.85 | 1822 | 0.51 |
| 1800 | 0.59 | 1823 | 0.42 |
| 1801 | 0.56 | 1824 | 0.39 |
| 1802 | 0.63 | 1825 | 0.29 |

Respectfully submitted

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

Geo. L. Dickinson

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

Certified copy
BHM

W. E. HAWLEY, PRES.

TELE: EMPIRE 4-2741

# HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.
537 TWELFTH STREET
DOUGLAS, ARIZONA

BOX 1060
DOUGLAS, ARIZONA
BOX 4
EL PASO, TEXAS

| IDENTIFICATION | GOLD OZS | SILVER OZS | LEAD % | COPPER % | ZINC % | INSOL. % | IRON % | | |
|---|---|---|---|---|---|---|---|---|---|
| 1263 | | | | 0.46 | | | | | |
| 1273 | | | | 0.12 | | | | | |
| 1282 | | | | 0.31 | | | | | |
| 1314 | | | | 1.68 | | | | | |
| 1331 | | | | 0.49 | | | | | |
| 1340 | | | | 1.09 | | | | | |
| 1349 | | | | 1.24 | | | | | |
| 1381 | | | | 0.43 | | | | | |
| 1391 | | | | 0.37 | | | | | |
| 1401 | | | | 1.74 | | | | | |
| 1411 | | | | 1.20 | | | | | |
| 1439 | | | | 0.38 | | | | | |
| 1451 | | | | 0.39 | | | | | |
| 1461 | | | | 0.85 | | | | | |
| 1471 | | | | 1.40 | | | | | |
| 1478 | | | | 0.24 | | | | | |
| 1510 | | | | 0.58 | | | | | |
| 1515 | | | | 0.95 | | | | | |
| 1520 | | | | 0.89 | | | | | |
| 1525 | | | | 0.12 | | | | | |
| 1530 | | | | 0.52 | | | | | |
| 1542 | | | | 0.39 | | | | | |
| 1564 | | | | 1.15 | | | | | |
| 1582 | | | | 0.94 | | | | | |
| 1586 | | | | 0.21 | | | | | |

25 CHECK ASSAYS

CC:
ADD:
CITY:
ADD:
CITY:

Certified Copy
Berry

REMARKS:

ANALYSIS CERT. BY: Hawley

ACC: LEWISOHN COPPER COMPANY

DATE SPL. RECEIVED

DATE COMPL. 3/29/57

$ 50.00

296836

# DRILL HOLE LOG C-49

D.M.E.A. Hole No. 11
Grid Location: E-4
Collar Elevation: 4395 Feet
Total Depth: 510 Feet

Hole Diameter

| Depth (Feet) | Diameter (Inches) |
|---|---|
| 0-215 | 10 |
| 215-430 | 8 |
| 430-510 | 7 |

| Depth (Feet) | | Geology |
|---|---|---|
| 0-55 | | Marble and garnetized limestone. Minor vein quartz material. Minor grayish yellow altered clay-like siltstone. |
| | 10-25 | Weak chrysocolla, jasperry coprite, chalcopyrite. |
| | 25-55 | Moderate chrysocolla, jasperry cuprite, weak magnetite, chalcopyrite, strong jasperry cuprite 30-35. |
| 55-240 | | Garnetized limestone and altered clay-like siltstone. |
| | 55-100 | Light gray altered, clay-like siltstone with black manganese speckles. Minor garnet. Minor gray-green siltstone. Very minor vein quartz epidote. Weak chrysocolla and magnetite. |
| | 100-135 | Garnetized limestone. Moderate yellow quartz-calcite material. Moderate limonite. Weak chrysocolla and copper pitch. Weak magnetite, pyrite and chalcopyrite. |
| | 135-175 | Gray-green, slightly altered siltstone. Weak chrysocolla; weak magnetite, weak pyrite last 5 feet. |
| | 175-200 | Garnetized limestone. Moderate vein quartz material, yellow calcite-clay material; and limonite. Weak chrysocolla, copper pitch. Weak magnetite first 10 feet. Moderate magnetite, weak pyrite and chalcopyrite last 15 feet. |

| | | |
|---|---|---|
| | 200-220 | Altered gray-green siltstone, possibly some diopside rock. Weak magnetite, pyrite chalcopyrite. |
| | 220-240 | Garnetized limestone, minor diopside rock. Moderate quartz vein material. Weak to moderate magnetite, chalcocite, and/or copper pitch. Weak chalcopyrite and pyrite. |
| 240-500 | | Diopside rock. Dark green. Black siltstone-like 350-370 and 410-435. Some quartz vein, material scattered throughout. |
| | 240-280 | Strong magnetite, moderate pyrite. Moderate total chalcopyrite and covellite. |
| | 280-305 | Strong to moderate magnetite. Weak total sulfides. |
| | 305-500 | Strong magnetite; moderate chalcopyrite, pyrite. Spotty covellite and chalcocite. All weaker 350-365 and last 55 feet. |
| | 500-510 | Granite (?) Weak magnetite, sulfides. |

Ore zones: 25-55 Oxide; 185-200 Oxide; 220-280 Sulfide; 305-435 (except 350-365) Sulfide.

No heavy Sulfide zone.

**LEWISOHN COPPER CORP.**

ASSAY LOG

Project Peach

Location Helvetia

Start Feb 26, 1957
End March 7, 1957

HOLE NO. 49 CHURN DRILL

Grid Location E-4 (OMEA #11)

Coordinates N_____ E_____

Elevation at Collar 4395

| Sample No. | HOLE Depth From | HOLE Depth To | HOLE Interval | HOLE Size | CUTTINGS Weight lbs. oz. | CUTTINGS Split | CUTTINGS % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | | Overburden | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | | | | Overburden | | | | | | | | | | | | | | | | | | |
| 1726 | 10 | 15 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1727 | 15 | 20 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1728 | 20 | 25 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1729 | 25 | 30 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1730 | 30 | 35 | | | | | | 1.28 | | | | | | | | | | | | | | | | |
| 1731 | 35 | 40 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1732 | 40 | 45 | | | | | | 0.66 | | | | | | | | | | | | | | | | |
| 1733 | 45 | 50 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1734 | 50 | 55 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1735 | 55 | 60 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1736 | 60 | 65 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1737 | 65 | 70 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1738 | 70 | 75 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1739 | 75 | 80 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1740 | 80 | 85 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1741 | 85 | 90 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1742 | 90 | 95 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1743 | 95 | 100 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1744 | 100 | 105 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1745 | 105 | 110 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1746 | 110 | 115 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1747 | 115 | 120 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1748 | 120 | 125 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1749 | 125 | 130 | | | | | | 0.29 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

Project Peach
Location Helvetia

HOLE NO. 49 CHURN DRILL
Grid Location E-4
Coordinates N ____ E ____
Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | HOLE Interval | HOLE Size | CUTTINGS Weight lbs. oz. | CUTTINGS Split | CUTTINGS % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1750 | 130 | 135 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1751 | 135 | 140 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1752 | 140 | 145 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1753 | 145 | 150 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1754 | 150 | 155 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1755 | 155 | 160 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1756 | 160 | 165 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1757 | 165 | 170 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1758 | 170 | 175 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1759 | 175 | 180 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1760 | 180 | 185 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1761 | 185 | 190 | | | | | | 0.68 | | | | | | | | | | | | | | | | |
| 1762 | 190 | 195 | | | | | | 0.94 | | | | | | | | | | | | | | | | |
| 1763 | 195 | 200 | | | | | | 0.63 | | | | | | | | | | | | | | | | |
| 1764 | 200 | 205 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1765 | 205 | 210 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1766 | 210 | 215 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1767 | 215 | 220 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1768 | 220 | 225 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1769 | 225 | 230 | | | | | | 0.85 | | | | | | | | | | | | | | | | |
| 1770 | 230 | 235 | | | | | | 1.14 | | | | | | | | | | | | | | | | |
| 1771 | 235 | 240 | | | | | | 0.94 | | | | | | | | | | | | | | | | |
| 1772 | 240 | 245 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1773 | 245 | 250 | | | | | | 1.12 | | | | | | | | | | | | | | | | |
| 1774 | 250 | 255 | | | | | | 0.61 | | | | | | | | | | | | | | | | |
| 1775 | 255 | 260 | | | | | | 0.29 | | | | | | | | | | | | | | | | |

**LEWISSOHN COPPER CORP.** ASSAY LOG

HOLE NO. 49 CHURN DRILL

Project Peach

Location Helvetia

Grid Location E-4

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1776 | 260 | 265 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1777 | 265 | 270 | | | | | | 0.79 | | | | | | | | | | | | | | | | |
| 1778 | 270 | 275 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1779 | 275 | 280 | | | | | | 0.73 | | | | | | | | | | | | | | | | |
| 1780 | 280 | 285 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1781 | 285 | 290 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1782 | 290 | 295 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1783 | 295 | 300 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1784 | 300 | 305 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1785 | 305 | 310 | | | | | | 0.51 | | | | | | | | | | | | | | | | |
| 1786 | 310 | 315 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1787 | 315 | 320 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1788 | 320 | 325 | | | | | | 0.78 | | | | | | | | | | | | | | | | |
| 1789 | 325 | 330 | | | | | | 0.92 | | | | | | | | | | | | | | | | |
| 1790 | 330 | 335 | | | | | | 0.72 | | | | | | | | | | | | | | | | |
| 1791 | 335 | 340 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1792 | 340 | 345 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1793 | 345 | 350 | | | | | | 0.60 | | | | | | | | | | | | | | | | |
| 1794 | 350 | 355 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1795 | 355 | 360 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1796 | 360 | 365 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1797 | 365 | 370 | | | | | | 0.61 | | | | | | | | | | | | | | | | |
| 1798 | 370 | 375 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1799 | 375 | 380 | | | | | | 0.85 | | | | | | | | | | | | | | | | |
| 1800 | 380 | 385 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1801 | 385 | 390 | | | | | | 0.56 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG HOLE NO. 49 CHURN DRILL

Project Peach

Location Helvetia

Grid Location E-4

Coordinates N_____ E_____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | HOLE Interval | HOLE Size | CUTTINGS Weight lbs. oz. | CUTTINGS Split | CUTTINGS % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1802 | 390 | 395 | | | | | | 0.63 | | | | | | | | | | | | | | | | |
| 1803 | 395 | 400 | | | | | | 0.68 | | | | | | | | | | | | | | | | |
| 1804 | 400 | 405 | | | | | | 0.42 | | | | | | | | | | | | | | | | |
| 1805 | 405 | 410 | | | | | | 0.78 | | | | | | | | | | | | | | | | |
| 1806 | 410 | 415 | | | | | | 0.85 | | | | | | | | | | | | | | | | |
| 1807 | 415 | 420 | | | | | | 1.19 | | | | | | | | | | | | | | | | |
| 1808 | 420 | 425 | | | | | | 1.31 | | | | | | | | | | | | | | | | |
| 1809 | 425 | 430 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1810 | 430 | 435 | | | | | | 0.59 | ↑ | 3139/463 | 185-435/250 | | | | | | | | | | | | | |
| 1811 | 435 | 440 | | | | | | 0.42 | | | | | | | | | | | | | | | | |
| 1812 | 440 | 445 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1813 | 445 | 450 | | | | | | 0.49 | | | | | | | | | | | | | | | | |
| 1814 | 450 | 455 | | | | | | 0.43 | | | | | | | | | | | | | | | | |
| 1815 | 455 | 460 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1816 | 460 | 465 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1817 | 465 | 470 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1818 | 470 | 475 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1819 | 475 | 480 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1820 | 480 | 485 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1821 | 485 | 490 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1822 | 490 | 495 | | | | | | 0.51 | | | | | | | | | | | | | | | | |
| 1823 | 495 | 500 | | | | | | 0.42 | | | | | | | | | | | | | | | | |
| 1824 | 500 | 505 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1825 | 505 | 510 | | | | | | 0.29 | | | | | | | | | | | | | | | | |

Dma 57-111

FINAL DISTRIBUTION

MADE APR 12 1957

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Lordsburg Copper Corporation
128 North Church Avenue
Tucson, Arizona

Date: April 11, 1957

Payee's Reference: February 1957

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

| | | |
|---|---|---|
| Amount Claimed | $ | 5,128.55 |
| Difference | $ | 108.80 |
| Amount Approved | $ | 5,019.75 |

The reason for the difference was due to:

Disallowance:

68 Chemical Assays @ $1.00 each $108.80

668 assays reported to date under Stage I.
Only 600 assays authorized in Contract.

68 excess assays disallowed.

EXTRA COPY
DMEA
RECEIVED APR 15 1957

| DATE | INITIALS | CODE |
|---|---|---|
| 4/15 | [illegible] | 110 |
| 4/16 | [illegible] | 500 |
| | Klug | |
| | | |
| | | |

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

Randell R. Cooper

Randell R. Cooper
Fiscal Officer, Region III

N. E. Stokes
Chief, Audit Section

R-III-B & F Form No. 4
4-15-52 D

224 New Customhouse
Denver 2, Colorado

April 9, 1957

Memorandum

To: T. A. Christensen

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket No. 4221, (Copper) Contract Idm-E1027, Lewisohn Copper Corporation (Peach mine) Pima County, Arizona - Operator's Monthly Progress Report for the month of February, 1957.

Enclosed are the original and four copies each of Form MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

Except as otherwise noted below, we consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Disallowance, Chemical assays:

The Operator has reported a total of 668* chemical assays to date, under Stage I, at $1.60 per sample. The contract authorizes only 600* chemical assays under Stage I, therefore, the cost of the 68 excess assays is to be disallowed.

Disallow 68 assays at $1.60 each——————$108.80

* Exclusive of check assays.

**Reconciliation with Amount Reported by the Operator on Form MT-104 for February, 1957**

| | |
|---|---|
| Amount reported on Form MT-104 for February, 1957 | $5,428.55 |
| Amount to be disallowed | 108.80 |
| Total accepted cost for February, 1957 | $5,319.75 |
| Government participation at 50 percent | $2,659.88 |

In accordance with the provisions of Amendment No. 1, only ten of the twelve authorized and approved holes were drilled under Stage I, as insufficient Stage I footage remains to complete another hole. Proposed Stage I holes 3- and 4- were not drilled.

**Remarks**

| | |
|---|---|
| Date of Report | March 15, 1957 |
| Date Received in Field Office | March 21, 1957 |
| Date Received in Region Office | March 27, 1957 |

Original signed by
E. N. HARSHMAN
E. N. Harshman

Enclosures
J.C:hh
cc: Chm. Op. Comm. (2)
Storms
Harshman } w/copy of Chief's
Townsend } report
MT-104 File [illegible]
Chron.

DMEA
DEPARTMENT OF THE INTERIOR

MAR 27 1957
REGION III
DENVER, COLORADO

March 22, 1957

Memorandum

To : E. N. Marshman, Acting Executive Officer, DMEA Field Team

From : Superintendent, Southwest Experiment Station

Subject : February 1957 Progress Report, Docket DMEA-4231 (Copper) Contract Idm-61087, Levisohn Copper Corp. (Peach mine), Pima County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with plan map and sections;

(3) Forms MF-104 and MF-104A with driller's invoice, assays, and logs of holes.

Also enclosed are 4 extra copies of our engineer's report.

As all work is in accordance with terms of the contract, I recommend that the Government's share of the costs be paid.

Signed by Walter R. Storms

Walter R. Storms

CC E. N. Marshman (8)
DMEA-4231
MF

WRStorms:frj

March 22, 1957

Memorandum

To : Walter R. Storms, Superintendent, Southwest Experiment Station

From : T. M. Ramalo, Mining Engineer, Tucson, Arizona

Subject : Progress Report for February 1957, Docket BMKA-4231, (Copper), Contract Ldm-21027, Lendlease Copper Corp. (Peach Mine), Pima County, Ariz.

On March 4, 1957, I visited the exploratory project of captioned contract and checked progress with B. H. Martin, Manager. I found that during February, churn drill hole J-3 had been bottomed at a depth of 450 feet and the drilling of churn drill hole K-4 was in progress at a depth of 320 feet.

Potential ore cut by hole J-3 according to the Operator's assay log, averaged 0.72 percent copper for a hole length of 160 feet. It occurs from 165 to 325 feet from the surface.

Four samples were obtained for check analyses by the Bureau's laboratory at Tucson. The Bureau's assays were significantly higher than the operator's for 2 of the samples. Close checks were made on the others. Data on the four samples follows:

| Sample No. U.S.B.M. | Sample No. L.C.Corp. | Hole No. | Interval (Feet) | Percent Copper U.S.B.M. Total | Percent Copper U.S.B.M. Hydr. Sol. | Percent Copper L.C.Corp. Total |
|---|---|---|---|---|---|---|
| 13000 | 1320 | T-3 | 58-60 | 1.61 | 1.64 | 1.38 |
| 14034 | 1448 | C-4 | 60-65 | 0.31 | 0.26 | 0.29 |
| 14035 | 1543 | M-3 | 135-140 | 0.93 | 0.79 | 0.73 |
| 14036 | 1647 | J-3 | 165-170 | 0.58 | 0.49 | 0.55 |

CC H. M. Hagenman (Orig. & 3
BMKA-4231
WF

TMRamalo:frj

## ANALYSIS OF THE OPERATOR'S REPORT

### Form MF-164

**Drilling** - The $4,374.25 is for the authorized 450 feet of churn drilling. It is supported by the Independent Contractor's detailed invoice that has been certified by the Operator's representative. The average per foot costs for this hole and to date, respectively $9.72 and $9.46, are within the allowable maximum of $10.00

The reported 450 feet of drilling also is supported by separate geologic and assay logs.

**Incidental** - The $813.50 is for the 450 feet of drilling at the authorized additional cost of $1.83 per foot.

**Assays** - The $140.00 is for the assay of 80 samples at the authorized cost of $1.40 per sample. The assays are shown on assay reports and a log of the hole.

**Totals** - The totals, $5,428.25, $35,436.30 and $40,863.55, appear to be correct.

### Form MF-164A

The form is properly completed.

### Narrative Report

The report is acceptable. The narrative section includes, at my request, an estimate of ore reserves indicated to date - 12 million tons of 0.72 percent copper.

The report also includes the customary plan map and the geologic cross sections which I had requested.

Original signed by
T. M. Romelo

T. M. Romelo
Mining Engineer
Southwest Experiment Station

LEWISOHN COPPER CORP.
128 NORTH CHURCH
TUCSON, ARIZONA

March 15, 1957

## NARRATIVE REPORT FOR FEBRUARY, 1957

Docket No. DMEA 4221 (copper)
Contract No. Idm-E 1027
Lewisohn copper Corp. (Peach Mine)
Pima County, Arizona

Churn drilling under Contract No. Idm-E 1027 was continued through the month of February, by the Purcell Mining and Drilling Company of Tucson, Arizona using a type 60 L Bucyrus-Erie drill.

Only one hole was completed in February, since the drill rig was shut down for some time per mechanical overhaul. The statistics on this hole are as follows:

| DMEA NO. | OUR NO. | GRID LOCATION | DEPTH |
|---|---|---|---|
| 10 | 48 | J-3 | 450 |

This hole No. 48, is the last hole under Stage I of the DMEA program, since the total completed footage is now 3460 and another hole could not be completed within the allowable 3600 Feet.

A total of 88 samples were taken - the sampling and assaying procedure being the same as described in the January report.

There is attached to this report a photostatic copy of the assay and geologic logs of Hole No. 48, as well as copies of the assay certificates. There is also attached, a map showing previous as well as February drilling in both plan and section.

Drilling conditions for Hole No. 48 were good and no difficulty was experienced either with hardness or maintaining straightness. Hole No. 48 developed 160 vertical feet of material averaging 0.72% copper.

Total tonnage developed by all drilling to date, is approximately 12 million tons of material averaging 0.70% copper and 0.30 oz. per ton silver and of which, approximately 2,200,000 tons of 0.73% copper have been developed by the 10 holes or 3,460 feet, comprising Stage I of the DMEA program.

Although 12 Million tons of 0.72% copper does not as yet constitute a commercial ore body, all indications are that further drilling on both the Peach and Elgin areas will disclose sufficient additional tonnage to be considered commercial. The stripping ratio is still considered to be approximately 1:1.

There is attached to this report, a series of 8 geologic cross sections and a key map indicating the position of these sections. While far from complete, this series is submitted as representative of the drilled area of the Peach Hill.

LEWISOHN COPPER CORP.

By B. H. Martin
B. H. Martin, Manager

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1957 Docket No. DMEA 4221 Contract No. IDM-E 1027
Operator's Name Lewisohn Copper Corp. Minerals Copper
Address 128 North Church Street, Tucson, Arizona
Contract Amount, $88,780.00 Government Participation: 50 % Amount, $44,390.00

| ITEMS OF COSTS | FOR OPERATOR'S USE | | | FOR GOVERNMENT USE ONLY | | |
|---|---|---|---|---|---|---|
| | Monthly Total | Totals Previously Reported | Totals To Date | Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
| (1) Independent Short Form Contracts: | | | | | | |
| Drilling | 4,374.25 | 28,369.00 | 32,743.25 | 5/10/57 | | |
| Incidentals | 913.50 | 6,110.30 | 7,023.80 | | | |
| Assays | 140.80 | 928.00 | 1,068.80 | | | |
| Check Assays | 0 | 28.00 | 28.00 | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Track | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 5,428.55 | 35,435.30 | 40,863.85 | 5,319.75 | 35,435.30 | 40,754.75 |

RECEIVED APR 15 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3/15/57 *Payee Lewisohn Copper Corp.
B. H. Martin
Per B. H. Martin Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$2659.88

Signature RCC
(Authorized Certifying Officer)

Date 4-11-57 Vou. No. DMA-57-111

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1027 in accordance with the terms of the contract.

Signature D M Ramsey WAB Title Mining Engineer Date 3-22-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature L. M. Hershman Title acting Executive Officer Date APR 9 1957

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

## OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1957 Docket No. DMEA 4221 Contract No. IDM-E 1027
Operator's Name Lewisohn Copper Corp. Minerals Copper
Address 128 North Church - Tucson, Arizona

| OPERATION | Unit | Costs This Month | Units This Month | Costs to Date | Units to Date | Unit Costs to Date | Authorized by Contract: Units | Authorized by Contract: Unit Costs |
|---|---|---|---|---|---|---|---|---|
| | | | Stage I | | | | | |
| Drilling | Ft. | 4,374.25 | 450 | 37,743.25 | 3,460 | 9.46 | 3,600 | 10.00 |
| Incidentals | Ft. | 913.50 | 450 | 7,023.80 | 3,460 | 2.03 | 3,600 | 2.03 |
| Assays | Ea. | 140.80 | 88 | 1,068.80 | 668 | 1.60 | 600 | 1.60 |
| Check Assays | Ea. | 0 | 0 | 28.00 | 14 | 2.00 | 60 | 2.00 |
| Winzes | | | | | | | | |
| Drilling: Core | | | | | | | | |
| | | | Stage II | | | | | |
| Drilling | Ft. | 0 | 0 | 0 | 0 | 0 | 3,600 | 10.00 |
| Incidentals | Ft. | | | | | | 3,600 | 2.03 |
| Assays | Ea. | | | | | | 600 | 1.60 |
| Check Assays | Ea. | | | | | | 60 | 2.00 |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | 5,428.55 | | 40,863.85 | | | | 88,780.00 |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date March 15, 1957 Operator Lewisohn Copper Corp.

Per B. H. Martin Title Manager
B. H. Martin

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Remarks:

(Instructions on reverse)

(For Government use only)

RECEIVED APR 15 1957 D.M.E.A.

## INSTRUCTIONS

*Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

PHONES: TUCSON 3-2373 OR 5-[illegible]: TIGER 10

# PURCELL MINING AND DRILLING COMPANY

P. O. Box 670
TUCSON, ARIZONA

February 18, 1957

Lewisohn Copper Corporation,
128 N. Church Avenue,
Tucson, Arizona.

BHM

Grid Location: [illegible]
Hole Number 46

| | | |
|---|---|---|
| 450 ft. drilling @ $6.00 per foot | | $2,700.00 |
| 165 ft. reaming @ 4.00 per foot | | 660.00 |
| 2494 ft. casing @ .25¢ per foot | | 623.50 |
| 130 ft. liner @ .50¢ per foot | | 65.00 |
| 8 ft. conductor pipe @ $4.00 per foot (left in hole) | | 32.00 |
| 23½ hours rig time @ $12.50 per hour | | 293.75 |
| | | $4,374.25 |

RECEIVED APR 15 1957 D.M.E.A.

PURCELL DRILLING COMPANY

By Martha G. Purcell
Martha G. Purcell, Owner

Received payment:

Martha G. Purcell
Martha G. Purcell, Owner

Certified copy
BHM

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-8264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Feb. 9, 1957.

LAB. NO. 11172

Lewisohn Copper Corporation,
128 North Church,
Tucson, Ariz.

Mr. B. H. Martin, Gen. Mgr.

Gentlemen:

Following are our copper assays on 52 samples received by us on Feb. 8th:

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1567 | 0.24 | 1593 | 0.19 |
| 1568 | 0.22 | 1594 | 0.24 |
| 1569 | 0.34 | 1595 | 0.19 |
| 1570 | 0.15 | 1596 | 0.19 |
| 1571 | 0.17 | 1597 | 0.22 |
| 1572 | 0.15 | 1598 | 0.17 |
| 1573 | 0.27 | 1599 | 0.19 |
| 1574 | 0.50 | 1600 | 0.17 |
| 1575 | 1.19 | 1601 | 0.29 |
| 1576 | 1.43 | 1602 | 0.11 |
| 1577 | 1.43 | 1603 | 0.36 |
| 1578 | 1.06 | 1604 | 0.77 |
| 1579 | 0.75 | 1605 | 0.68 |
| 1580 | ~~0.56~~ 0.92 | 1606 | 0.56 |
| 1581 | 0.64 | 1607 | 0.34 |
| 1582 | 1.06 | 1608 | 0.29 |
| 1583 | 0.56 | 1609 | 0.31 |
| 1584 | 0.44 | 1610 | 0.29 |
| 1585 | 0.54 | 1611 | 0.31 |
| 1586 | 0.29 | 1612 | 0.24 |
| 1587 | 0.44 | 1613 | 0.15 HOLE 47 |
| 1588 | 1.16 | 1614 | 0.07 |
| 1589 | 0.34 | 1615 | 0.12 |
| 1590 | 0.36 | 1616 | 0.24 |
| 1591 | 0.36 | 1617 | 0.17 |
| 1592 | 0.24 | 1618 | 0.17 HOLE 48 |

RECEIVED APR 15 1957 D.M.E.A.

Sample No. S-3 results will follow Monday.

Respectfully submitted,

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

Geo. L. Dickinson

Certified Copy
BHM

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

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DICKINSON LABORATORIES

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Feb. 14, 1957.

LAB. NO. 11211

Lewisohn Copper Corporation,
128 North Church,
Tucson, Ariz.

Attention: Mr. R. H. Martin, Gen. Mgr.,

Gentlemen:

Following are our copper assays on 29 samples received by our office on Feb. 13th:

| Sample No. | % Copper |
|---|---|
| 1619 | 0.07 |
| 1620 | 0.39 |
| 1621 | 0.44 |
| 1622 | 0.39 |
| 1623 | 0.10 |
| 1624 | 0.22 |
| 1625 | 0.34 |
| 1626 | 0.36 |
| 1627 | 0.29 |
| 1628 | 0.24 |
| 1629 | 0.05 |
| 1630 | 0.24 |
| 1631 | 0.08 |
| 1632 | 0.10 |
| 1633 | 0.22 |
| 1634 | 0.54 |
| 1635 | 0.15 |
| 1636 | 0.10 |
| 1637 | 0.08 |
| 1638 | 0.54 |
| 1639 | 0.24 |
| 1640 | 0.29 |
| 1641 | 0.44 |
| 1642 | 0.62 |
| 1643 | 0.24 |
| 1644 | 0.24 |
| 1645 | 0.22 |
| 1646 | 0.36 |
| 1647 | 0.56 |

Respectfully submitted,

Dickinson Laboratories, Inc.

Geo. L. Dickinson

Certified copy
BHM

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
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ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

J. A. MANCOCK, PH. D.
CONSULTING CHEMIST

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EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Feb. 21, 1957.

LAB. NO. 11268

Lewisohn Copper Corp.,
128 North Church,
Tucson, Ariz.

Attention: Mr. B. H. Martin, Gen. Mgr.

Gentlemen:

Following are our copper assays on 35 samples received by this office on Feb. 20:

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1648 | 0.44 | 1666 | 0.35 |
| 1649 | 0.96 | 1667 | 0.24 |
| 1650 | 0.94 | 1668 | 0.10 |
| 1651 | 0.92 | 1669 | 0.12 |
| 1652 | 1.38 | 1670 | 0.44 |
| 1653 | 1.16 | 1671 | 0.31 |
| 1654 | 1.07 | 1672 | 0.63 |
| 1655 | 1.40 | 1673 | 0.54 |
| 1656 | 0.59 | 1674 | 0.59 |
| 1657 | 0.31 | 1675 | 0.72 |
| 1658 | 0.39 | 1676 | 0.50 |
| 1659 | 0.41 | 1677 | 0.63 |
| 1660 | 1.28 | 1678 | 0.44 |
| 1661 | 1.48 | 1679 | 0.24 |
| 1662 | 0.87 | 1680 | 0.31 |
| 1663 | 0.66 | 1681 | 0.39 |
| 1664 | 0.94 | 1682 | 0.27 |
| [illegible] | 0.73 | | |

Respectfully submitted

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

By Geo. L. Dickinson

Certified Copy
BHM

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
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ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
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ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Feb. 25, 1957.

LAB. NO. 11302

Lewisohn Copper Corporation,
128 North Church,
Tucson, Ariz.

Attention: Mr. B. H. Martin, Gen. Mgr.

Gentlemen:

Following are our copper assays on 21 samples received at our office this morning:

| Sample No. | % Copper |
|---|---|
| 1683 | 0.27 |
| 1684 | 0.22 |
| 1685 | 0.41 |
| 1686 | 0.29 |
| 1687 | 0.39 |
| 1688 | 0.29 |
| 1689 | 0.36 |
| 1690 | 0.48 |
| 1691 | 0.24 |
| 1692 | 0.65 |
| 1693 | 1.33 |
| 1694 | 0.83 |
| 1695 | 0.36 |
| 1696 | 0.31 |
| 1697 | 0.48 |
| 1698 | 0.39 |
| 1699 | 0.39 |
| 1700 | 0.19 |
| 1701 | 0.19 |
| 1702 | 0.27 |
| 1703 | 0.17 |

Respectfully submitted

Dickinson Laboratories, Inc.,

Geo L Dickinson

Geo. L. Dickinson

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

Certified Copy
BWN

# DRILL HOLE LOG C-48

D.M.E.A. Hole No. 10
Grid Location: J-3
Collar Elevation: 4499
Total Depth: 450 Feet

Hole Diameter

| Depth (Feet) | Diameter (Inches) |
|---|---|
| 0-208 | 10 |
| 208-370 | 8 |
| 370-450 | 7 |

| Depth (Feet) | | Geology |
|---|---|---|
| 0-115 | | Marble, garnetized limestone and siltstone. |
| | | White marble, brown garnet, dark brown to black iron-bearing material; probably hematite-bearing calcite. Gray-green siltstone and garnetized limestone 45-50. Moderate hematite 50-60, 95-100. Gray-green siltstone, minor garnet 70-80 and 105-115. Weak oxides throughout. |
| 115-175 | | Garnetized limestone. |
| | 115-135 | Weak yellow calcite-quartz material, limonite and hematite. Weak oxides, magnetite. Weak pyrite, in part altered to hematite last 5 feet. |
| | 135-165 | Weak to moderate yellow calcite-quartz material and limonite. Moderate chrysocolla and copper pitch. Weak magnetite; moderate 140-145. Weak pyrite altering to hematite and covellite last 5 feet. |
| | 165-175 | Minor garnet. Mostly limonite-coated white quartz vein material. Strong limonite. Weak oxides and pyrite. Moderate magnetite. |
| 175-335 | | Diopside rock. |
| | 175-205 | Diopside rock with minor garnet, weak to moderate quartz vein material and minor epidote. Weak oxides. Moderate magnetite pyrite, chalcopyrite, covellite. |

## DRILL HOLE LOG C-48 - Continued

| | | |
|---|---|---|
| | 205=230 | Garnet and diopside rock with strong white quartz vein material (Note correlation of low grade with strong quartz). First to Feet: moderate diopside; moderate magnetite, moderate to weak pyrite chalcopyrite, covellite. Last 15 Feet: no diopside, some yellow clagey looking material. Weak magnetite, pyrite, chalcopyrite. Weak oxides throughout. |
| | 230-265 | Diopside rock. Moderate limonite 140-155. Moderate to strong magnetite, very strong in last 5 Feet. Moderate to strong pyrite and chalcopyrite, weak covellite. |
| | 265-280 | Diopside rock with moderate quartz vein material. Low grade. Weak magnetite, pyrite chalcopyrite. |
| | 280-335 | Diopside rock. Moderate magnetite and copper sulfides. Quartz vein material and weaker mineralization last 15 feet. |
| 335-390 | | Garnetized limestone. Moderate diopside intermittantly. Weak limonite and oxides last 25 feet. Weak magnetite, pyrite, chalcopyrite. |
| 390-450 | | Quartzite. |
| | 390-405 | Dark gray quartzite with strong chrysocolla and very strong limonite. Strong magnetite weak pyrite and chalcopyrite. |
| | 405-420 | Dark gray quartzite. Weak magnetite, pyrite, chalcocite. Weak oxides. |
| | 420-450 | Light tan quartzite. Weak pyrite, chalcocite and oxides first 15 feet. |

Ore Zones: 165-325, Sulfide
Heavy Sulfide Zone : 275-320. Heaviest 230-265. Heavy Magnetite 390-405.

**LEWISOHN COPPER CORP.**

ASSAY LOG

Project Peach

Location Helvetia

Start Feb.
End Feb 19

HOLE NO. 45 CHURN DRILL

Grid Location J-3 COMEA #10

Coordinates N J-3 E

Elevation at Collar 4499

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| | 5 | 10 | | | | | | Over burden | | | | | | | | | | | | | | | | |
| 1616 | 10 | 15 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1617 | 15 | 20 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1618 | 20 | 25 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1619 | 25 | 30 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1620 | 30 | 35 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1621 | [illegible] | 40 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1622 | 40 | [illegible] | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1623 | [illegible] | [illegible] | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1624 | [illegible] | [illegible] | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1625 | [illegible] | [illegible] | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1626 | 60 | 65 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1627 | 65 | 70 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1628 | [illegible] | 75 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1629 | 75 | 80 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1630 | [illegible] | 85 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1631 | [illegible] | [illegible] | | | | | | 0.08 | | | | | | | | | | | | | | | | |
| 1632 | [illegible] | [illegible] | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1633 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1634 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | 105 | 110 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | 110 | 115 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | 115 | 120 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | 125 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1639 | 125 | 130 | | | | | | [illegible] | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.**

ASSAY LOG

Project [illegible]

Location [illegible]

HOLE NO. [illegible] CHURN DRILL

Grid Location [illegible]

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1641 | [illegible] | [illegible] | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1642 | [illegible] | [illegible] | | | | | | 0.62 | | | | | | | | | | | | | | | | |
| 1643 | 145 | 150 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1644 | 150 | 155 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1645 | 155 | 160 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1646 | 160 | 165 | | | | | | 0.26 | | | | | | | | | | | | | | | | |
| 1647 | 165 | 170 | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| 1648 | [illegible] | [illegible] | | | | | | 0.45 | | | | | | | | | | | | | | | | |
| 1649 | [illegible] | [illegible] | | | | | | 0.96 | | | | | | | | | | | | | | | | |
| 1650 | [illegible] | [illegible] | | | | | | .14 | | | | | | | | | | | | | | | | |
| 1651 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1652 | 190 | 195 | | | | | | 1.[illegible] | | | | | | | | | | | | | | | | |
| 1653 | 195 | 200 | | | | | | 1.16 | | | | | | | | | | | | | | | | |
| 1654 | [illegible] | 205 | | | | | | 1.07 | | | | | | | | | | | | | | | | |
| 1655 | 205 | 210 | | | | | | 1.40 | | | | | | | | | | | | | | | | |
| 1656 | 210 | 215 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1657 | 215 | 220 | | | | | | 0.51 | | | | | | | | | | | | | | | | |
| 1658 | 220 | 225 | | | | | | 0.33 | | | | | | | | | | | | | | | | |
| 1659 | 225 | 230 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1660 | [illegible] | 235 | | | | | | 1.28 | | | | | | | | | | | | | | | | |
| 1661 | 235 | 240 | | | | | | 1.48 | | | | | | | | | | | | | | | | |
| 1662 | [illegible] | 245 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1663 | [illegible] | 250 | | | | | | 0.66 | | | | | | | | | | | | | | | | |
| 1664 | [illegible] | 255 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1665 | [illegible] | 260 | | | | | | [illegible].73 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. 48 CHURN DRILL

Grid Location J-3

Coordinates N _____ E _____

Elevation at Collar _____

Project Peach

Location Helvetia

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1666 | 260 | 265 | | | | | | 0.85 | | | | | | | | | | | | | | | | |
| 1667 | 265 | 270 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1668 | 270 | 275 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1669 | 275 | 280 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1670 | 280 | 285 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1671 | 285 | 290 | | | | | | 0.81 | | | | | | | | | | | | | | | | |
| 1672 | 290 | 295 | | | | | | 0.63 | | | | | | | | | | | | | | | | |
| 1673 | [illegible] | [illegible] | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1674 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1675 | [illegible] | [illegible] | | | | | | 0.72 | | | | | | | | | | | | | | | | |
| 1676 | 310 | 315 | | | | | | 0.50 | | | | | | | | | | | | | | | | |
| 1677 | 315 | 320 | | | | | | 0.63 | | | | | | | | | | | | | | | | |
| 1678 | 320 | 325 | | | | | | [illegible] | ↑ | 2291 / 72 | 165-285 / 160 | | | | | | | | | | | | | |
| 1679 | 325 | 330 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1680 | 330 | 335 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1681 | 335 | 340 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1682 | [illegible] | [illegible] | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1683 | [illegible] | [illegible] | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1684 | [illegible] | [illegible] | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1685 | [illegible] | [illegible] | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1686 | [illegible] | [illegible] | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1687 | [illegible] | [illegible] | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1688 | [illegible] | [illegible] | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1689 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1690 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1691 | 385 | 390 | | | | | | 0.29 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG HOLE NO. 48 CHURN DRILL

Project Peach

Location Helvetia

Grid Location J-3

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1688 | 390 | 395 | | | | | | 0.65 | | | | | | | | | | | | | | | | |
| 1689 | 395 | 400 | | | | | | 1.33 | | | | | | | | | | | | | | | | |
| 1690 | 400 | 405 | | | | | | 0.83 | | | | | | | | | | | | | | | | |
| 1691 | 405 | 410 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1692 | 410 | 415 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1697 | 415 | 420 | | | | | | 0.48 | | | | | | | | | | | | | | | | |
| 1698 | 420 | 425 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1699 | 425 | 430 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.17 | | | | | | | | | | | | | | | | |

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RECEIVED APR 15 1957

| DATE | INITIALS | CODE |
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| | | |
| | | |
| | | |
| | | |

224 New Customhouse
Denver 2, Colorado

February 27, 1957

FINAL DISTRIBUTION
MADE MAR 1 1957

Memorandum

To: T. A. Christensen

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-4221 (Copper) Contract Idm-E1027,
Lewisohn Copper Corporation (Peach mine)
Pima County, Arizona - Operator's Monthly Progress
Report for the month of January, 1957

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 50 percent of the amount reported on Form MF-104 for January, 1957, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks

Date of Report----------February 15, 1957
Date Received in Field Office----------February 16, 1957
(approximate)
Date Received in Region Office----------February 25, 1957.

Original signed by
E. N. HARSHMAN
E. N. Harshman

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| DATE | INITIALS | CODE |
|---|---|---|
| 3/5/57 | [illegible] | 110 |
| 3/5 | [illegible] | 500 |
| | Kly | |

Enclosures

JDC:hh
cc: Chmn. Op. Comm. (2)
Storms
Harshman )w/copy of engr's report
MF-104 File E1027
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
FEB 25 1957
REGION III
DENVER, COLORADO

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February 21, 1957

Memorandum

To : W. M. Traver, Executive Officer, DMEA Field Team

From : L. A. Stewart for Superintendent, Southwest Experiment Station

Subject : Progress Report for January 1957, Docket DMEA-4221 (Copper) Contract Ldn-21027, Louisiana Copper Corp. (Peach Mine), Pima County, Ariz.

Enclosed in quintuplicate are the following:

1. Bureau of Mines engineer's report;

2. Operator's narrative report with map;

3. Forms MF-104 and MF-104A.

Also enclosed are 4 extra copies of our engineer's report.

As all work is in accordance with terms of the contract, I recommend that the Government's share of the cost be paid.

LINCOLN A. STEWART

Lincoln A. Stewart for
Walter R. Sturm, Superintendent
Southwest Experiment Station

W. M. Traver (3)
DMEA-422R
DF

LAStewart:frj

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DATE | CODE

February 21, 1957

Memorandum

To : Walter R. Storms, Supt, Southwest Exp. Station

From : T. M. Rosale, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for January 1957, Docket DMEA-422H (Copper) Contract Lim-21067, Louisiana Copper Corp. (Peach Mine), Pima County, Ariz.

J. H. Falck and I visited the Peach Mine February 1, 1957. After I had checked progress under captioned contract, Falck and I examined the area of the operator's proposed additional drilling. Representatives of the operator present were R. K. Chilson, president, R. H. Martin, Manager, and A. Hyman, geologist.

Progress in churn drilling under the contract for the reporting period was confined to the completion of holes G-5 and M-3 for a total advance of 756 feet. Both holes reportedly were bottomed in quartzite, G-5 at 365 feet and M-3 at 400 feet. Sections of potential ore penetrated by the holes totalled 256 feet averaging 0.75 percent copper, according to the operator.

Hole G-46, in the area of proposed additional drilling, also was drilled during the reporting period. It was drilled, at no cost to the Government, for data pertinent to investigation of the area of proposed drilling near the Eight mine.

ANALYSIS OF THE OPERATOR'S REPORT

Form MF-104

Drilling - The $8,523.75 is for the authorized 756 feet of churn drilling. The cost is documented by the Independent Contractor's detailed invoice, certified by the operator. The average per foot costs of drilling for January and to date are $11.29 and $8.42. Reasons for abnormally high costs during January are explained in the Operator's Narrative Report. As the average cost to date is less than the allowable maximum of $16.06 per foot, the reported total cost for January probably is allowable.

The reported 756 feet of drilling also is supported by separate geologic and assay log.

CC W. M. Traver (Orig. & 8)
DMEA-422H
MF

TMRosale:frj

**Incidental** - The $1,338.65 is for the 755 feet of drilling at the authorized cost of $2.03 per foot.

**Assays** - The $233.60 is for 146 assays at the authorized cost of $1.60 per sample. The assays are shown on the assayer's reports and on logs of the holes.

**Totals** - The totals, $18,398.00, $35,146.30 and $36,436.30, appear to be correct.

**Form MF-1044**

The form is properly completed.

**Narrative Report**

The report with attached map is acceptable. Mr. Martin, verbally reported that the vertical sections which I had requested are being prepared by Harrison Schmitt. He said the sections would be ready for next month's report which will include requested ore reserve estimates.

Original signed by
T. M. Romslo

T. M. ROMSLO, MINING ENGINEER
SOUTHWEST EXPERIMENT STATION

# LEWISOHN COPPER CORP.

128 NORTH CHURCH
TUCSON, ARIZONA

February 15, 1957

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DATE | INITIALS | CODE

## NARRATIVE REPORT FOR JANUARY 1957

Docket No. DMEA 4221 (copper)
Contract No. Idm-E 1027
Lewisohn Copper Corp. (Peach Mine)
Pima County, Arizona

Churn drilling under Contract No. Idm-E 1027 was continued through the month of January by the Purcell Mining and Drilling Company of Tucson, Arizona, using a type 60L Bucyrus-Erie churn drill.

The two holes completed in January are summarized below. (Refer to attached map, assay and geologic logs.)

| DMEA NO. | OUR NO. | GRID LOCATION | DEPTH |
|---|---|---|---|
| 8 | 45 | O-5 | 355 |
| 9 | 47 | M-3 | 400 |

Hole No. 46 was also drilled in January, in the Elgin area, but was not a part of the DMEA program. This was because we did not have an approved Peach drill site completed when Hole 45 was finished.

A total of 146 samples were taken, the sampling and assaying procedure being the same as described for December. No check samples were run in January due to the slow return of pulps by the assayer.

There is attached to this report a photostatic copy of the assay and geologic logs of the two holes. There is also attached a map showing previous as well as January drilling in both plan and section.

Copies of assay certificates are also attached and made a part of this report.

Drilling conditions have been substantially the same as before. There has been some difficulty with hard drilling and keeping a straight hole for approximately the first 100 feet of both Holes Nos. 45 and 47. After this upper 100 feet, no more trouble was encountered.

The two holes drilled in January represent a total of 755 feet of drilling. This drilling developed 255 vertical feet of material averaging 0.75% copper, which is believed to be of a grade sufficient to constitute ore. The overburden ratio thus far is approximately 1:1.

LEWISOHN COPPER CORP.

By B. H. Martin
B. H. Martin, Manager

F[redacted] Rev.)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION

# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of **January** 195**7** Docket No. DMEA **4221** Contract No. **Idm-E 1027**

Operator's Name **LEWISOHN COPPER CORP.** Minerals **Copper**

Address **128 North Church Avenue, Tucson, Arizona**

Contract Amount, $**88,780.00** Government Participation: **50** % Amount, $**44,390.00**

| ITEMS OF COSTS | FOR OPERATOR'S USE | | | FOR GOVERNMENT USE ONLY | | |
|---|---|---|---|---|---|---|
| | Monthly Total | Totals Previously Reported | Totals To Date | Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
| (1) Independent Short Form Contracts: | 8,523.75 | | | | | |
| Drilling | [redacted] | 19,845.25 | 28,369.00 | 5/6/57 | 9045.74 | |
| [redacted] Incidental | 1,532.65 | 4,577.65 | 6,110.30 | | | |
| [redacted] Assays | 233.60 | 694.40 | 928.00 | | | |
| [redacted] Check Assays | 0 | 28.00 | 28.00 | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Track | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 10,290.00 | 25,145.30 | 35,435.30 | 10,290.00 | 25,145.30 | 35,435.30 |

RECEIVED MAR 4 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date **Feb. 15, 1957** *Payee **LEWISOHN COPPER CORP.**

Per B. H. Martin Title **Manager**

**B. H. Martin**

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

**(Instructions on reverse)**

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 5145.00

Signature (Authorized Certifying Officer)

Date 2/28/57 Vou. No. DMEA 57-94

**(See other side)**

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1027 in accordance with the terms of the contract.

Signature T. Momsto Title Mining Engineer Date 2-21-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. M. Hartman Title acting Executive Officer Date FEB 27 1957

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

04A

Budget Bureau No. 42-R1151.2

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

## OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 195 7 Docket No. DMEA 4221 Contract No. Idm-E 1027

Operator's Name LEWISOHN COPPER CORP. Minerals Copper

Address 128 North Church Avenue, Tucson, Arizona

| OPERATION | Unit | Costs This Month | Units This Month | Costs to Date | Units to Date | Unit Costs to Date | Authorized by Contract: Units | Authorized by Contract: Unit Costs |
|---|---|---|---|---|---|---|---|---|
| | | | STAGE I | | | | | |
| Drilling | Ft. | 4,523.75 | 755 | 28,369.00 | 3,010 | 9.42 | 3,600 | 10.00 |
| Incidental | Ft. | 1,532.65 | 755 | 6,110.30 | 3,010 | 2.03 | 3,600 | 2.03 |
| Assays | Ea. | 233.60 | 146 | 928.00 | 580 | 1.60 | 600 | 1.60 |
| Check Assays | Ea. | 0 | 0 | 28.00 | 14 | 2.00 | 60 | 2.00 |
| | | | STAGE II | | | | | |
| Drilling | Ft. | 0 | 0 | 0 | 0 | 0 | 3,600 | 10.00 |
| Incidentals | Ft. | | | | | | 3,600 | 2.03 |
| Assays | Ea. | | | | | | 600 | 1.60 |
| Check Assays | Ea. | | | | | | 60 | 2.00 |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | 10,290.00 | | 35,435.30 | | | | 88,780.00 |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date February 15, 1957 Operator LEWISOHN COPPER CORP.

Per B. H. Martin Title Manager

B. H. Martin

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Remarks:

(Instructions on reverse)

(For Government use only)

RECEIVED MAR 4 1957 D.M.E.A.

## INSTRUCTIONS

*Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

PHONES: TUCSON B-2373 OR B-[illegible]: TIGER 10

# PURCELL MINING AND DRILLING COMPANY

P. O. Box 670
TUCSON, ARIZONA

January 11 1957

Lewisohn Copper Corporation,
128 N Church Avenue
Tucson, Arizona.

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RECEIVED JAN 4 1957

| DATE | INITIALS | CODE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

GRID LOCATION

O 5 Hole No.45

| | | |
|---|---|---|
| 355 feet of drilling | @ 6.00 per ft. | $2130.00 |
| 1840 feet of casing | @ .25 " " | 460.00 |
| 73 hours rig time | @ 12.50 per hr. | 912.50 |
| 155 feet reaming | @ 4.00 per ft. | 620.00 |
| 116 feet liner | @ .50 per ft. | 58.00 |
| 6 feet conductor pipe (left in hole) | @ 4.00 per ft. | 24.00 |
| | | $4204.50 |

PURCELL DRILLING COMPANY

By Martha G. Purcell
Martha G. Purcell. Owner

Received payment:

Martha G. Purcell
Martha G Purcell. Owner

Certified Copy
BHM

PHONES: TUCSON 3-2373 OR 3-1385 [illegible]GER 10

# PURCELL MINING AND DRILLING COMPANY

P. O. Box 670
TUCSON, ARIZONA

February 2 1957

Lewisohn Copper Corporation
128 N. Church Avenue
Tucson, Arizona.

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DATE | INITIALS | CODE

Grid Location: M-3
Hole Number 47

| | | |
|---|---|---|
| 400' of drilling | @ $6.00 per foot | $2400.00 |
| 205' of reaming | @ 4.00 " | 820.00 |
| 336' of Liner | @ .50¢ " | 168.00 |
| 2072' of Casing | @ .25¢ " | 518.00 |
| 30½ hours Rig time | @ $12.50 per hour | 381.25 |
| 8' conductor pipe (left in hole) | @ 4.00 per foot | 32.00 |
| | | $4319.25 |

PURCELL DRILLING COMPANY

By Martha G. Purcell
Martha G. Purcell, Owner.

Received payment:

Martha G. Purcell
Martha G. Purcell, Owner.

Certified Copy
BHM

**LEWISOHN COPPER CORP.**

ASSAY LOG

Project: Peach

Location: [illegible]

Start [illegible] 8 [illegible]
End [illegible]

HOLE NO. [illegible] CHURN DRILL

Grid Location [illegible]

Coordinates N ______ E ______

Elevation at Collar ______

| Sample No. | HOLE | | | | CUTTINGS | | | % TOTAL COPPER | | | | % N-S Cu | | | % MOLYBDENUM | | | oz. GOLD | | | oz. SILVER | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Depth From | Depth To | Interval | Size | Weight lbs. oz. | Split | % Recovery | | | | Accepted | | | Accepted | | | Accepted | | | Accepted | | | Accepted | |
| | 0 | 5 | | Overburden | | | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | | Overburden | | | | | | | | | | | | | | | | | | | | |
| 1438 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1439 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | 20 | 25 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | 25 | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1442 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1443 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | 55 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1449 | | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | | | | | | | | .16 | | | | | | | | | | | | | | | | |
| [illegible] | | | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | .75 | | | | | | | | | | | | | | | | |
| [illegible] | 125 | 130 | | | | | | [illegible] | | | | | | | | | | | | | | | | |

Page No ______

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. [illegible] CHURN DRILL

Project Peach

Location [illegible]

Grid Location [illegible]

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1462 | [illegible] | [illegible] | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1463 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1464 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1465 | [illegible] | [illegible] | | | | | | | | | | | | | | | | | | | | | | |
| 1466 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1467 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1468 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1469 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1470 | 170 | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1471 | 175 | [illegible] | | | | | | 1.42 | | | | | | | | | | | | | | | | |
| 1472 | 180 | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1473 | 185 | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1474 | 190 | 195 | | | | | | 1.3[illegible] | | | | | | | | | | | | | | | | |
| 1475 | 195 | 200 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1476 | 200 | 205 | | | | | | | | | | | | | | | | | | | | | | |
| 1477 | 205 | 210 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1478 | 210 | 215 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1479 | 215 | 220 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1480 | 220 | 225 | | | | | | 0.74 | | | | | | | | | | | | | | | | |
| 1481 | 225 | 230 | | | | | | 0.54 | ↑ | 2.126 .48 | 25 | 220 155 | | | | | | | | | | | | |
| 1482 | [illegible] | [illegible] | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1483 | 235 | 240 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1484 | [illegible] | [illegible] | | | | | | 0.16 | | | | | | | | | | | | | | | | |
| 1485 | [illegible] | 250 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1486 | 250 | 255 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1487 | 255 | 260 | | | | | | 0.09 | | | | | | | | | | | | | | | | |

Page No 2

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. _____ CHURN DRILL

Project Peach

Location Helvetia

Grid Location _____

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1488 | 260 | 265 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1489 | 265 | 270 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1490 | 270 | 275 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1491 | [illegible] | 280 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1492 | 280 | 285 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1493 | 285 | 290 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1494 | 290 | 295 | | | | | | 0.50 | | | | | | | | | | | | | | | | |
| 1495 | 295 | [illegible] | | | | | | .11 | | | | | | | | | | | | | | | | |
| 1496 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1497 | [illegible] | | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1498 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1499 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1500 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1501 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1502 | [illegible] | | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1503 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1504 | 340 | 345 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1505 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1506 | [illegible] | [illegible] | | | | | | 0.16 | | | | | | | | | | | | | | | | |

Page No [illegible]

**LEWISOHN COPPER CORP.**

ASSAY LOG

START JAN 16
END JAN 31

HOLE NO. 47 CHURN DRILL DMEA #9

Project PEACH

Location HELVETIA

Grid Location M-3

Coordinates N____ E____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 15 | | | | | | | | | | | | | | | | | | | | | | |
| 1539 | 15 | 20 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1540 | 20 | 25 | | | | | | 0.50 | | | | | | | | | | | | | | | | |
| 1541 | 25 | 30 | | | | | | 0.49 | | | | | | | | | | | | | | | | |
| 1542 | 30 | 35 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1543 | 35 | 40 | | | | | | 0.50 | | | | | | | | | | | | | | | | |
| 1544 | 40 | 45 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1545 | 45 | 50 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1546 | 50 | 55 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1547 | 55 | 60 | | | | | | 0.41 | | 369 .41 | 15-60 45 | | | | | | | | | | | | | |
| 1548 | 60 | 65 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1549 | 65 | 70 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1550 | 70 | 75 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1551 | 75 | 80 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1552 | 80 | 85 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1553 | 85 | 90 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1554 | 90 | 95 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1555 | 95 | 100 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1556 | 100 | 105 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1557 | 105 | 110 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1558 | 110 | 115 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1559 | 115 | 120 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1560 | 120 | 125 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1561 | 125 | 130 | | | | | | 0.36 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

HOLE NO. 47 CHURN DRILL DMEA No 9

Project Peach

Location Helvetia

Grid Location M-3

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1562 | 130 | 135 | | | | | | 0.86 | ↓ | | | | | | | | | | | | | | | |
| 1563 | 135 | 140 | | | | | | 0.75 | | | | | | | | | | | | | | | | |
| 1564 | 140 | 145 | | | | | | 1.10 | | | | | | | | | | | | | | | | |
| 1565 | 145 | 150 | | | | | | 0.41 | ↑ | 312/.78 | 130-150/20 | | | | | | | | | | | | | |
| 1566 | 150 | 155 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1567 | 155 | 160 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1568 | 160 | 165 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1569 | 165 | 170 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1570 | 170 | 175 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1571 | 175 | 180 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1572 | 180 | 185 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1573 | 185 | 190 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1574 | 190 | 195 | | | | | | 0.50 | ↓ | | | | | | | | | | | | | | | |
| 1575 | 195 | 200 | | | | | | 1.19 | | | | | | | | | | | | | | | | |
| 1576 | 200 | 205 | | | | | | 1.43 | | | | | | | | | | | | | | | | |
| 1577 | 205 | 210 | | | | | | 1.43 | | | | | | | | | | | | | | | | |
| 1578 | 210 | 215 | | | | | | 1.06 | | | | | | | | | | | | | | | | |
| 1579 | 215 | 220 | | | | | | 0.75 | | | | | | | | | | | | | | | | |
| 1580 | 220 | 225 | | | | | | 0.92 | | | | | | | | | | | | | | | | |
| 1581 | 225 | 230 | | | | | | 0.64 | | | | | | | | | | | | | | | | |
| 1582 | 230 | 235 | | | | | | 1.06 | | | | | | | | | | | | | | | | |
| 1583 | 235 | 240 | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| 1584 | 240 | 245 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1585 | 245 | 250 | | | | | | 0.54 | | 105-2/.88 | 190-250/60 | | | | | | | | | | | | | |
| 1586 | 250 | 255 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1587 | 255 | 260 | | | | | | 0.44 | | | | | | | | | | | | | | | | |

Page No 2

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. 47 CHURN DRILL DmEA No 9

Project Peach

Location Helvetia

Grid Location M-3

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1588 | 260 | 265 | | | | | | 1.16 | ↑ | 1241 / .83 | 190-265 / 75 | | | | | | | | | | | | | |
| 1589 | 265 | 270 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1590 | 270 | 275 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1591 | 275 | 280 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1592 | 280 | 285 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1593 | 285 | 290 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1594 | 290 | 295 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1595 | 295 | 300 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1596 | 300 | 305 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1597 | 305 | 310 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1598 | 310 | 315 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1599 | 315 | 320 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1600 | 320 | 325 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1601 | 325 | 330 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1602 | 330 | 335 | | | | | | 0.41 | ↓ | | | | | | | | | | | | | | | |
| 1603 | 335 | 340 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1604 | 340 | 345 | | | | | | 0.77 | | | | | | | | | | | | | | | | |
| 1605 | 345 | 350 | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| 1606 | 350 | 355 | | | | | | 0.56 | ↑ | 266 / .53 | 330-355 / 25 | | | | | | | | | | | | | |
| 1607 | 355 | 360 | | | | | | 0.38 | | | | | | | | | | | | | | | | |
| 1608 | 360 | 365 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1609 | 365 | 370 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1610 | 370 | 375 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1611 | 375 | 380 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1612 | 380 | 385 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1613 | 385 | 390 | | | | | | 0.15 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. 47 CHURN DRILL DMEA No 9

Project Peach

Location Helvetia

Grid Location M-3

Coordinates N ____ E ____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1614 | 390 | 395 | | | | | | 0.07 | | | | | | | | | | | | | | | | |
| 1615 | 395 | 400 | | | | | | 0.12 | | | | | | | | | | | | | | | | |

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# DRILL HOLE LOG C-45

D.M.E.A. Hole No. 8
Grid Location: O-5
Collar Elevation: 4479 Feet
Total Depth: 355 Feet

**Hole Diameter**

| Depth (feet) | Diameter (inches) |
|---|---|
| 0-50 | 10 |
| 50-355 | 8 |

| Depth (feet) | Geology |
|---|---|
| 0-130 | Garnetized limestone and siltstone. |
| 0-65 | Garnetized limestone and black siltstone. Mostly black siltstone 20-35. Weak chrysocolla and copper pitch. Trace magnetite, pyrite, covelitte 50-60. |
| 65-130 | Garnetized limestone. Minor black siltstone and diopside rock. Disseminated limonite: weak 65-110, strong 110-130. Moderate chrysocolla and copper pitch. Weak magnetite 110-130. |
| 130-300 | Diopside rock and garnetized limestone. |
| 130-155 | Diopside rock, minor garnetized limestone. Moderate chrysocolla, copper pitch, malachite, magnetite 130-145. Strong magnetite, moderate pyrite, chalcopyrite, and covellite, weak oxides 145-150. All weaker last 5 feet. |
| 155-175 | Garnetized limestone. Gray-green siltstone last 5 feet. Weak oxides. Weak magnetite. Weak pyrite last 5 feet. |
| 175-230 | Diopside rock, minor garnetized limestone. Moderate magnetite, pyrite, chalcopyrite, covellite; weak oxides. Weak magnetite and very strong pyrite first 5 feet. More garnetized limestone and weaker mineralization in last 5 feet. |
| 230-270 | Garnetized limestone. Minor gray-green siltstone 245-255 and 265-270. Weak oxides. |
| 270-300 | Diopside rock, minor garnetized limestone. Minor gray-green siltstone 175-190. Weak oxides. Weak-moderate magnetite and pyrite. Weak chalcopyrite last 5 feet. |

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| | | |

300-355 Black quartzite.
Weak malachite and chrysocolla. Weak pyrite.

Ore Zones: 75-145 oxide, 145-230 sulfide.
Heavy Sulfide Zone: 175-200.

# DRILL HOLE LOG C-47

DMEA Hole No. 9
Grid Location: M-3
Collar Elevation: 4518 Feet
Total Depth: 400 Feet

**Hole Diameter**

| Depth (feet) | Diameter (inches) |
|---|---|
| 0-286 | 10 |
| 286-400 | 8 |

| Depth (feet) | Geology |
|---|---|
| 0-65 | Marble. Weak garnet alteration. Stronger in last 20 feet. Weak megascopic chrysocolla and copper pitch. Weak magnetite. 35-40. |
| 65-195 | Garnetized limestone. |
| 65-110 | Garnetized limestone. Minor gray-green siltstone 80-85. Minor quartz and calcite vein material, limonite, epidote 105-110. Weak oxides. Weak magnetite 75-80. |
| 110-130 | Garnetized limestone. Strong limonite. Minor quartz and calcite vein material. Weak oxides. Pyrite: weak first 5 feet, moderate last 15 feet. Covellite: weak last 10 feet. No magnetite or chalcopyrite. Pyrite altering to limonite and covellite. |
| 130-150 | Garnetized limestone and diopside rock. Diopside rock: light green and clayey, and dark green to black. Moderate limonite. Weak quartz vein material. Moderate chrysocolla and copper pitch. Weak magnetite, pyrite, covellite. Moderate pyrite last 5 feet. |
| 150-195 | Garnetized limestone. Minor diopside, epidote, calcite, quartz, limonite. Weak chrysocolla and copper pitch. Both moderate in last 5 feet. Weak magnetite, pyrite, chalcopyrite, covellite first 20 feet. |
| 195-265 | Diopside rock. |
| 195-240 | Dark gray first 5 feet. Dark and light gray and green with limonite and minor quartz 200-220. Dark gray-green 220-240. Strong magnetite; moderate pyrite, strong covellite-chalcocite, weak chalcopyrite 195-230. Strong magnetite, pyrite, chalcopyrite 230-240. |

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|---|---|---|
| | 240-265 | Diopside rock with garnet and siltstone. Minor garnet, quartz, epidote first 5 feet. Dominently siltstone 245-250. Garnet, quartz, epidote, siltstone last 15 feet. Moderate magnetite and pyrite. Weak chalcopyrite all thru and covellite strong in last 5 feet. |
| 265-355 | | Garnetized limestone and siltstone. |
| | 265-330 | Garnetized limestone and gray-green siltstone. Minor diopside rock first 20 feet. Weak magnetite, moderate pyrite, weak chalcopyrite and covellite first 10 feet. Weak magnetite and pyrite 275-295. Weak magnetite last 35 feet. |
| | 330-355 | Garnetized limestone and gray-green siltstone. Minor limonite. Weak chrysocolla and copper pitch. Weak to moderate magnetite. |
| 355-460 | | Quartzite. |
| | 355-380 | Dark gray quartzite. Weak magnetite, malachite and chrysocolla. |
| | 380-400 | Light tan quartzite. Very weak magnetite, malachite, and chrysocolla. |

Ore Zones: 20-60 mixed; 130-150 mixed; 190-265 sulfide; 230-255 mixed.
Heavy Sulfide Zone: 195-240.

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

I. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7008 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Jan. 22, 1957.



LAB. NO. 11021

Lewisohn Copper Corporation,
128 North Church,
Tucson, Ariz.

Mr. B. H. Martin, Gen. Mgr

Gentlemen:

Following are our assays on 105 samples received by our laboratory on Jan. 19th:

HOLE 45

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1438 | 0.39 | 1468 | 0.36 |
| 1439 | 0.54 | 1469 | 0.27 |
| 1440 | 0.14 | 1470 | 0.27 |
| 1441 | 0.05 | 1471 | 1.42 |
| 1442 | 0.12 | 1472 | 0.71 |
| 1443 | 0.29 | 1473 | 1.07 |
| 1444 | 0.39 | 1474 | 1.38 |
| 1445 | 0.34 | 1475 | 0.71 |
| 1446 | 0.34 | 1476 | 0.78 |
| 1447 | 0.29 | 1477 | 0.73 |
| 1448 | 0.29 | 1478 | 0.44 |
| 1449 | 0.36 | 1479 | 1.04 |
| 1450 | 0.39 | 1480 | 0.76 |
| 1451 | 0.41 | 1481 | 0.56 |
| 1452 | 0.46 | 1482 | 0.34 |
| 1453 | 0.50 | 1483 | 0.22 |
| 1454 | 0.46 | 1484 | 0.16 |
| 1455 | 0.50 | 1485 | 0.21 |
| 1456 | 0.61 | 1486 | 0.29 |
| 1457 | 0.41 | 1487 | 0.29 |
| 1458 | 0.41 | 1488 | 0.27 |
| 1459 | 0.87 | 1489 | 0.24 |
| 1460 | 0.75 | 1490 | 0.34 |
| 1461 | 0.85 | 1491 | 0.24 |
| 1462 | 0.82 | 1492 | 0.36 |
| 1463 | 1.04 | 1493 | 0.27 |
| 1464 | 1.04 | 1494 | 0.50 |
| 1465 | 0.71 | 1495 | 0.71 |
| 1466 | 0.61 | 1496 | 0.41 |
| 1467 | 0.31 | 1497 | 0.34 |

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(continued on page #2)

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

Geo L Dickinson

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-8264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Jan. 22, 1957.



LAB. NO. 11021

Lewisohn Copper Corporation.

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1498 | 0.34 | 1528 | 0.10 |
| 1499 | 0.36 | 1529 | 0.29 |
| 1500 | 0.27 | 1530 | 0.17 |
| 1501 | 0.29 | 1531 | 0.15 |
| 1502 | 0.44 | 1532 | 0.10 |
| 1503 | 0.39 | 1533 | 0.04 |
| 1504 | 0.29 | 1534 | 0.08 |
| 1505 | 0.27 | 1535 | 0.05 |
| 1506 | 0.16 | 1536 | 0.02 |
| 1507 | 0.22 | 1537 | 0.04 |
| 1508 | 0.46 | 1538 | 0.04 |
| 1509 | 0.61 | King-Bottom Platform #1 | 0.56 |
| 1510 | 0.36 | " Raise | 2.25 |
| 1511 | 0.68 | " Bottom Platform #2 | 0.31 |
| 1512 | 0.66 | Troy | 0.04 |
| 1513 | 0.50 | | |
| 1514 | 0.71 | | |
| 1515 | 0.87 | | |
| 1516 | 0.85 | | |
| 1517 | 1.09 | | |
| 1518 | 0.48 | | |
| 1519 | 0.68 | | |
| 1520 | 0.81 | | |
| 1521 | 0.31 | | |
| 1522 | 0.36 | | |
| 1523 | 0.66 | | |
| 1524 | 0.24 | | |
| 1525 | 0.27 | | |
| 1526 | 0.14 | | |
| 1527 | 0.12 | | |

HOLE 45

HOLE 46

NOT DMEA

46

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Respectfully Submitted

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

Geo. L. Dickinson

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

DICKINSON LABORATORIES

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Feb. 5, 1957.

LAB. NO. 11140

Lewisohn Copper Corporation,
128 North Church
Tucson, Ariz.

Mr. B. H. Martin, Gen. Mgr.,

Gentlemen:

Following are our copper assays on 28 samples received in our office on Feb. 4th:

HOLE 47

| Sample No. | % Copper |
|---|---|
| 1539 | 0.31 |
| 1540 | 0.50 |
| 1541 | 0.49 |
| 1542 | 0.24 |
| 1543 | 0.50 |
| 1544 | 0.39 |
| 1545 | 0.54 |
| 1546 | 0.31 |
| 1547 | 0.41 |
| 1548 | 0.39 |
| 1549 | 0.17 |
| 1550 | 0.10 |
| 1551 | 0.07 |
| 1552 | 0.07 |
| 1553 | 0.07 |
| 1554 | 0.27 |
| 1555 | 0.17 |
| 1556 | 0.19 |
| 1557 | 0.12 |
| 1558 | 0.19 |
| 1559 | 0.19 |
| 1560 | 0.27 |
| 1561 | 0.36 |
| 1562 | 0.86 |
| 1563 | 0.75 |
| 1564 | 1.10 |
| 1565 | 0.41 |
| 1566 | 0.19 |

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Respectfully submitted,

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

Geo. L. Dickinson

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. C. DICKINSON—VICE-PRESIDENT
DORLEY S. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7036 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COLORADO ORE
MOBILE TESTING
PETROLEUM LABORATORY
COAL AND WATER ANALYSES

Feb. 9, 1957.

LAB. NO. 11172

Lonicohn Copper Corporation,
120 North Church,
Tucson, Ariz.

Mr. R. H. Martin, Gen. Mgr.

Gentlemen:

Following are our copper assays on 52 samples received by us on Feb. 6th:

| Sample No. | % Copper | Sample No. | % Copper | |
|---|---|---|---|---|
| 1567 | 0.24 | 1593 | 0.19 | |
| 1568 | 0.22 | 1594 | 0.24 | |
| 1569 | 0.34 | 1595 | 0.19 | |
| 1570 | 0.15 | 1596 | 0.19 | |
| 1571 | 0.17 | 1597 | 0.22 | |
| 1572 | 0.15 | 1598 | 0.17 | |
| 1573 | 0.27 | 1599 | 0.19 | |
| 1574 | 0.50 | 1600 | 0.17 | |
| 1575 | 1.19 | 1601 | 0.29 | |
| 1576 | 1.43 | 1602 | 0.41 | |
| 1577 | 1.43 | 1603 | 0.36 | |
| 1578 | 1.06 | 1604 | 0.77 | |
| 1579 | 0.75 | 1605 | 0.56 | |
| 1580 | ~~[illegible]~~ 0.92 | 1606 | 0.56 | |
| 1581 | 0.64 | 1607 | 0.34 | |
| 1582 | 1.06 | 1608 | 0.29 | |
| 1583 | 0.56 | 1609 | 0.31 | |
| 1584 | 0.44 | 1610 | 0.29 | |
| 1585 | 0.54 | 1611 | 0.31 | |
| 1586 | 0.29 | 1612 | 0.24 | |
| 1587 | 0.44 | 1613 | 0.15 | HOLE 47 |
| 1588 | 1.16 | 1614 | 0.07 | |
| 1589 | 0.34 | 1615 | 0.12 | |
| 1590 | 0.36 | 1616 | 0.24 | |
| 1591 | 0.36 | 1617 | 0.17 | |
| 1592 | 0.24 | 1618 | 0.17 | FEBRUARY DRILLING |

Sample No. S-3 results will follow Monday.

Respectfully submitted,

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

Geo. L. Dickinson

CHIEFS REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ASARCO AND OTHER OWNERS

REPRESENTATIVES
FOR
ASARCO AT
MORENCI AND DOUGLAS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

January 25, 1957

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FINAL DISTRIBUTION
MADE JAN 30 1957

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 4221 (copper) Contract Idm-E1027
Lewisohn Copper Corporation (Peach Mine)
Pima County, Arizona. Operator's Monthly
Progress Report for the month of December, 1956.

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 50 percent of the amount reported on Form MF-104 for December, 1956, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report----------January 15, 1957
Date Received in Field Office-------January 15, 1957
Date Received in Region Office-----January 21, 1957

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures
WMT:ytl
cc
Sec. Op. Comm. (2)
Storms
Harshman, w/copy of engr's. report
MF-104 File E1027
Chron.

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DMEA
DEPARTMENT OF THE INTERIOR
JAN 21 1957
REGION III
DENVER, COLORADO

January 17, 1957

Memorandum

To : W. M. Trower, Executive Officer, DMEA Field Team

From : L. A. Stewart for Superintendent, Southwest Experiment Station

Subject : Progress Report for December 1956, Docket DMEA-4211 (Copper) Contract IDa-21087, Lincoln Copper Corp. (Peach Mine), Pima County, Ariz.

Enclosed in quintuplicate are the following:

1. Bureau of Mines engineer's report;

2. Operator's narrative report with map;

3. Forms MF-104 and MF-104A.

Also enclosed are 4 extra copies of our engineer's report.

As all work is in accordance with terms of the contract, I recommend that the Government's share of the cost be paid.

LINCOLN A. STEWART

Lincoln A. Stewart for
Walter H. Stone, Superintendent
Southwest Experiment Station

W. M. Trower (8)
DMEA-4211
DF

LAStewart:fr;

January 17, 1957

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DATE | INITIALS | CODE

Memorandum

To : Walter R. Stearns, Superintendent, Southwest Experiment Station

From : T. M. Ramale, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for December 1956, Project DMEA-423H (Copper) Contract Idm-81027, Lexington Copper Corp. (Peach Mine), Pima County, Ariz.

On January 2, 1957, I visited the Peach Mine and checked progress under subject exploratory contract with Richard E. Chilson and S. H. Martin, President and Field Manager of the Corporation, respectively. I found that during December churn drill holes P-6, O-3 and P-4 had been completed for a reported total of 1,025 feet. Hole O-5 was being drilled.

Sections of potential ore in the above completed 3 holes were reported to be as follows:

| Hole No. | Depth | Interval | Thickness | Percent Total Copper |
|---|---|---|---|---|
| P-6 | 460' | 130 - 295' | 165' | 0.41 |
| | | 375 - 410' | 35' | 0.93 |
| O-3 | 220 | 20 - 115' | 95' | 0.67 |
| P-4 | 345 | 40 - 198' | 158' | 0.97 |
| | | 265 - 295' | 30' | 0.85 |

As a check on the accuracy of assays reported by the operator, the rejects of 6 samples were obtained for analysis by the Bureau's laboratory at Tucson. The reasonably close check obtained indicates that the assays reported by the operator are acceptable.

| Sample No. | | HOLE | INTERVAL | PERCENT COPPER | | |
|---|---|---|---|---|---|---|
| | | | | BUREAU | | L.C.CORP. |
| BUREAU | L.C.CORP. | NO. | (FEET) | TOTAL | Hydrol. | TOTAL |
| 12793 | 1335 | P-6 | 405 - 410 | 0.68 | 0.[illegible] | 0.60 |
| 12794 | 1337 | O-3 | 50 - 55 | 1.04 | 0.[illegible] | 0.94 |
| 12795 | 1406 | P-4 | 180 - 185 | 1.32 | 0.34 | 1.21 |
| 12796 | SP-28 | O-2 | 120 - 255 | 0.72 | 0.42 | 0.75 |
| 12797 | SP-30E | E-3 | 315 - 350 | 0.70 | 0.[illegible] | 0.72 |
| 12798 | SP-31 | O-3 | 315 - 385 | 0.70 | 0.07 | 0.64 |

CC W. M. Truman (Orig. & 8)
DMEA-423H
MF

TMRamale:frj

## ANALYSIS OF THE OPERATOR'S REPORT

### Form MF-104

**Drilling** - The $9,225.75 is for the authorized 1,025 feet of churn drilling. The cost is documented by the independent contractor's detailed invoice. The maximum allowable and actual per foot costs are $10.00 and $9.00, respectively. The 1,025 feet of drilling also is documented by separate geologic and assay logs.

**Incidental** - The $2,250.75 is for other costs less assaying for the 1,025 feet of drilling at an authorized cost of $2.25 per foot.

**Assays** - The $213.50 is for the assaying of 196 samples at an authorized cost of $1.50 a sample. Analyses are shown on assayer's report and assay logs.

**Check assays** - The $28.00 is for the check assaying of 14 samples at an authorized per sample cost of $2.00. The 14 analyses are shown on the assayers report.

**Totals** - The costs, $11,640.10, $13,497.20 and $25,146.30, appear to be correct.

### Form MF-104A

The Form is properly completed.

### Narrative Report

The report with attached map is acceptable. Vertical sections through the deposit which I have requested, are being prepared for subsequent reports.

Original signed by
T. M. Arnold
T. M. ARNOLD

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1956 Docket No. DMEA 4221 Contract No. Idm-E 1027
Operator's Name Lewisohn Copper Corp. Minerals Copper
Address 128 North Church, Tucson, Arizona
Contract Amount, $ 88,780.00 Government Participation: 50 % Amount, $ 44,390.00

| ITEMS OF COSTS | FOR OPERATOR'S USE | | | FOR GOVERNMENT USE ONLY | | |
|---|---|---|---|---|---|---|
| | Monthly Total | Totals Previously Reported | Totals To Date | Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
| (1) Independent Short Form Contracts: | 8,225.75 | 10,619.50 | 18,845.25 | 2/6/57 | | |
| Drilling | | | | | | |
| xxxxxxIncidental | 2,080.75 | 2,496.90 | 4,577.65 | | | |
| Bulldozing | | | | | | |
| xxxxxx Assays | 313.60 | 380.80 | 694.40 | | | |
| Crosscutting | | | | | | |
| xxxxx Check assays | 28.00 | 0 | 28.00 | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Track | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 11,648.10 | 13,497.20 | 25,145.30 | 11,648.10 | 13,497.20 | 25,145.30 |

RECEIVED FEB 1 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Jan. 15, 1957 *Payee Lewisohn Copper Corp.
Per B. H. Martin Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 5824.05
Signature
(Authorized Certifying Officer)
Date 1/29/57 Vou. No. DMA 57-82
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1027 in accordance with the terms of the contract.

Signature T M Romolo for WRS Title Mining Engineer Date 1-16-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Travers Title Executive Officer Date JAN 25 1957

## MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION
## OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED FEB 1 1957 D.M.E.A.

Month of December, 1956 Docket No. DMEA 4221 Contract No. Idm-E 1027
Operator's Name Lewisohn Copper Corp. Minerals Copper
Address 128 North Church, Tucson, Arizona

| OPERATION | UNIT | COSTS THIS MONTH | UNITS THIS MONTH | COSTS TO DATE | UNITS TO DATE | UNIT COSTS TO DATE | AUTHORIZED BY CONTRACT Units | AUTHORIZED BY CONTRACT Unit Costs |
|---|---|---|---|---|---|---|---|---|
| | | | STAGE I | | | | | |
| Drilling | Ft. | 9,225.75 | 1,025 | 19,845.25 | 2,255 | 8.80 | 3,600 | 10.00 |
| Incidentals | Ft. | 2,080.75 | 1,025 | 4,577.65 | 2,255 | 2.03 | 3,600 | 2.03 |
| Assays | Ea. | 313.60 | 196 | 694.40 | 434 | 1.60 | 600 | 1.60 |
| Check assays | Ea. | 28.00 | 14 | 28.00 | 14 | 2.00 | 60 | 2.00 |
| Winzes | | | | | | | | |
| Drilling: Core | | | STAGE II | | | | | |
| Drilling | Ft. | 0 | 0 | 0 | 0 | 0 | 3,600 | 10.00 |
| Incidentals | Ft. | | | | | | 3,600 | 2.03 |
| Assays | Ea. | | | | | | 600 | 1.60 |
| Check assays | Ea. | | | | | | 60 | 2.00 |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | 11,648.10 | | 25,145.30 | | | | 88,780.00 |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Jan. 15, 1957 Operator Lewisohn Copper Corp.

Per B. H. Martin Title Manager

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

REMARKS:

(Instructions on reverse)

(For Government use only) W Pomeroy

## INSTRUCTIONS

*Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

# LEWISOHN COPPER CORP.

128 NORTH CHURCH
TUCSON, ARIZONA

January 15, 1957

EXTRA COPY
D M E A
RECEIVED

| DATE | IN | CODE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

## NARRATIVE REPORT FOR DECEMBER, 1956

Docket No. D.M.E.A. 4221 (Copper)
Contract No. Idm-E 1027
Lewisohn Copper Corp. (Peach Mine)
Pima County, Arizona

Churn drilling under Contract No. Idm-E 1027 was continued through the month of December by the Purcell Drilling Company of Tucson, Arizona, using a type 60-L Bucyrus Erie churn drill.

The three holes completed in December are summarized below. (Refer to attached map, assay and geologic logs.)

| D.M.E.A. NO. | OUR NO. | GRID LOCATION | DEPTH |
|---|---|---|---|
| 5 | 42 | P-6 | 460 |
| 6 | 43 | O-3 | 220 |
| 7 | 44 | P-4 | 345 |
| | | | 1,025 feet |

A total of 196 samples were taken, the sampling and assaying procedure being the same as described for November. A total of 14 check assays were run by Hawley & Hawley of Douglas, Arizona, and the results agreed very well with the initial assays by Dickinson Laboratories, Inc. of El Paso, Texas. More check samples will be sent out as the pulps are returned.

There is attached to this report a photostatic copy of the assay logs and geologic logs of the three holes. There is also attached a map showing previous, as well as present, drilling in both plan and section.

Copies of assay and check assay certificates are also attached and made a part of this report.

Drilling conditions in general have been good as before, except for the first 60 feet of Hole No. 44 (DMEA No. 7), in which extremely hard drilling limestone was encountered. In addition, there was some difficulty experienced in keeping the hole straight through this hard zone.

These 3 holes drilled during December represent a total of 1,025 feet of drilling. This drilling developed 415 vertical feet of material averaging 0.74% copper, which is believed to be of a grade sufficient to constitute ore. The overburden ratio is thus far less than 1:1.

LEWISOHN COPPER CORP.

By B. H. Martin
B. H. Martin, Manager

BHM:bjg

# DRILL HOLE LOG - C-42

D.M.E.A. Hole No. 5
Grid Coordinate: P-6
Collar Elevation: 4427 feet
Total Depth: 460 feet

Hole Diameter

| Depth (feet) | Diameter (inches) |
|---|---|
| 0-235 | 10 |
| 235-426 | 8 |
| 426-460 | 7 |

| Depth (feet) | | Geology |
|---|---|---|
| 0-70 | | Marble with moderate garnet alteration and siltstone. |
| | 0-70 | White marble. Moderate garnet alteration 0-45. Strong garnet alteration 45-70. Purple hematite stain. Weak chrysocolla and copper pitch except in siltstone zone. |
| | 15-30 | Siltstone, minor marble. Very weak oxides. |
| | 20-70 | Weak magnetite. |
| 70-375 | | Garnetized limestone, minor siltstone. |
| | 70-80 | Garnetized limestone; weak magnetite and copper oxides. |
| | 80-95 | Dark and light green siltstone, minor salite rock. Moderate limonite in last 5 feet. Moderate magnetite and copper oxides. |
| | 95-140 | Garnetized limestone, minor siltstone. Weak magnetite, weak copper oxides. Moderate chrysocolla and copper pitch last 10 feet. |
| | 140-155 | Siltstone and garnetized limestone. Weak magnetite and chalcopyrite, moderate pyrite, weak copper oxides. |
| | 155-170 | Garnetized limestone, minor limonite. Weak magnetite, pyrite, chalcopyrite and chrysocolla. |
| | 170-195 | Siltstone and garnetized limestone. Moderate magnetite, pyrite and trace chalcopyrite first 10 feet, then weak magnetite and chrysocolla. |
| | 195-375 | Garnetized limestone. Weak yellow calcite-quartz material. Weak chrysocolla. Weak magnetite and pyrite. No pyrite 230-270 and 310-365. Trace chalcopyrite, chalcocite, covellite 365-375. |
| 375-405 | | Garnetized limestone and diopside garnet rock and 20% quartz vein material. |

| | | |
|---|---|---|
| | 375-390 | Garnetized limestone and diopside garnet rock. Weak magnetite, pyrite, chalcopyrite, bornite, and chalcocite. All moderate in last 5 feet. |
| | 370-405 | Diopside garnet rock and siltstone, minor garnetized limestone. Moderate magnetite, pyrite, chalcopyrite, weak bornite. |
| 405-460 | | Granite. |
| | 405-440 | Weak magnetite and pyrite. |

Ore Zone: 375-405 sulfide.
No Heavy Sulfide Zone.

# DRILL HOLE LOG C-43

D.M.E.A. Hole No. 6
Grid Location: O-3
Collar Elevation: 4456 feet
Total Depth: 220 feet

Hole Diameter

| Depth (feet) | Diameter (inches) |
|---|---|
| 0-220 | 10 |

| Depth (feet) | | Geology |
|---|---|---|
| 0-80 | | Garnetized limestone, diopside rock, and minor marble. Weak yellow calcite-quartz material. Minor marble first 25 feet. Dominantly diopside rock with weak limonite 25-80. Moderate chrysocolla. |
| | 0-50 | Weak magnetite. |
| | 50-70 | Moderate magnetite, weak pyrite, trace chalcopyrite, chalcocite. |
| | 70-80 | Moderate magnetite and pyrite; weak total chalcopyrite, bornite, chalcocite and covellite. |
| 80-185 | | Garnetized limestone and siltstone. |
| | 95-115 | Minor siltstone and moderate diopside content, weak limonite. Weak chrysocolla. Weak magnetite, pyrite, trace chalcopyrite. Moderate pyrite 100-115. |
| | 115-185 | Garnetized limestone and minor siltstone. Weak magnetite. Weak pyrite 150-170. Weak chrysocolla. |
| 185-220 | | Black quartzite. Weak magnetite. Weak pyrite last 10 feet. |

Ore Zone: 20-115
No Heavy Sulfide Zone.

# DRILL HOLE LOG C-44

D.M.E.A. Hole No. 7
Grid Location: P-4
Collar Elevation: 4408 feet
Total Depth: 345 feet

**Hole Diameter**

| Depth (feet) | Diameter (inches) |
|---|---|
| 0-266 | 10 |
| 266-345 | 8 |

| Depth (feet) | Geology |
|---|---|
| 0-130 | Garnetized lime with minor diopside and minor siltstone. (Transition zone between grossularite rock and grossularite-diopside rock.) |
| 0-60 | Little diopside. Minor siltstone 25-30, 50-60. Weak chrysocolla. Very weak magnetite and pyrite 40-55. |
| 55-95 | Moderate diopside. Minor limestone first 15 feet. Minor siltstone 70-95. Strong magnetite; weak pyrite, chalcopyrite, bornite; moderate chrysocolla and copper pitch, weak malachite. |
| 95-130 | Weak diopside. Moderate gray-green siltstone. Strong black siltstone 110-115. Weak chrysocolla. Weak magnetite. Weak pyrite first 10 feet. Weak magnetite, moderate pyrite, weak chalcopyrite and bornite last 5 feet. |
| 130-215 | Diopside-garnet rock. Moderate limonite to 185. Strong limonite 155-160 and 165-170. Minor siltstone 130-135. 20% quartz vein material 150-165, 185-190, 210-215. Moderate to strong magnetite, moderate pyrite, strong total of covellite, chalcopyrite, bornite, chalcocite. Weak copper pitch and chrysocolla. Moderate malachite and chrysocolla last 10 feet. |
| 215-345 | Black quartzite. |
| 215-265 | Weak magnetite, pyrite, chalcopyrite, chrysocolla. |
| 265-295 | Weak magnetite, moderate chrysocolla. |
| 295-345 | Weak magnetite, weak chrysocolla; weak pyrite 295-335. |

Ore Zones: 60-130 mixed, 130-215 sulfide.
Heavy Sulfide Zone: 130-215

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Dec. 24, 1956.

LAB. NO. 10847

Lewisohn Copper Corporation,
128 North Church,
Tucson, Ariz.

Attention: Mr. B. H. Martin

Gentlemen:

Following are our copper assays on 40 samples received by this office on Dec. 21st:

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1239 | 0.31 | 1262 | 0.24 |
| 1240 | 0.27 | 3 | 0.54 |
| 1 | 0.31 | 4 | 0.46 |
| 2 | 0.12 | 5 | 0.39 |
| 3 | 0.05 | 6 | 0.34 |
| 1244 | 0.29 | 7 | 0.39 |
| 1248 | 0.34 | 8 | 0.49 |
| 9 | 0.39 | 9 | 0.34 |
| 1250 | 0.29 | 1270 | 0.60 |
| 1 | 0.24 | 1 | 0.60 |
| 2 | 0.27 | 2 | 0.39 |
| 3 | 0.56 | 3 | 0.31 |
| 4 | 0.46 | 4 | 0.31 |
| 5 | 0.34 | 5 | 0.31 |
| 6 | 0.27 | 6 | 0.39 |
| 7 | 0.22 | 7 | 0.39 |
| 8 | 0.22 | 8 | 0.27 |
| 9 | 0.24 | 9 | 0.69 |
| 1260 | 0.19 | 1280 | 0.59 |
| 1 | 0.17 | 1281 | 0.39 |

Respectfully submitted:
DICKINSON LABORATORIES, INC.,

By: George L. Dickinson
George L. Dickinson

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON
GEO. G. DICKINSON
ROBERT L. DICKINSON

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES
WATER ANALYSIS

# DICKINSON LABORATORIES

P. O. BOX 1145 PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

December 24, 1956

LAB. NO. 10847

Lewisohn Copper Corporation,
128 North Church,
Tucson, Arizona.

Attention: Mr. B. H. Martin

Gentlemen:

Following are our copper assays on 60 samples received by this office on December 21, 1956:

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1282 | 0.44 | 1312 | 0.43 |
| 3 | 0.31 | 13 | 0.82 |
| 4 | 0.17 | 14 | 1.67 |
| 5 | 0.15 | 15 | 0.96 |
| 6 | 0.22 | 16 | 1.14 |
| 7 | 0.22 | 17 | 0.82 |
| 8 | 0.22 | 18 | 0.66 |
| 9 | 0.29 | 19 | 0.31 |
| 1290 | 0.27 | 1320 | 0.29 |
| 1 | 0.36 | 1 | 0.27 |
| 2 | 0.39 | 2 | 0.19 |
| 3 | 0.50 | 3 | 0.29 |
| 4 | 0.46 | 4 | 0.24 |
| 5 | 0.46 | 5 | 0.19 |
| 6 | 0.39 | 6 | 0.24 |
| 1297 | 0.24 | 7 | 0.22 |
| 8 | 0.10 | 8 | 0.19 |
| 1299 | 0.10 | 1329 | 0.27 |
| 1300 | 0.12 | 1330 | 0.31 |
| 1 | 0.34 | 1 | 0.59 |
| 2 | 0.51 | 2 | 0.59 |
| 3 | 0.39 | 3 | 0.85 |
| 4 | 0.19 | 4 | 0.69 |
| 5 | 0.19 | 5 | 0.44 |
| 6 | 0.17 | 6 | 0.59 |
| 7 | 0.17 | 7 | 0.94 |
| 8 | 0.10 | 8 | 0.56 |
| 9 | 0.22 | 9 | 0.72 |
| 1310 | 0.19 | 1340 | 0.97 |
| 1311 | 0.19 | 1341 | 1.23 |

Respectfully submitted;
DICKINSON LABORATORIES, INC.

By: [illegible]

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
OFF SHIPPERS AT

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

December 24, 1956

LAB. NO. 10847

Lewisohn Copper Corporation,
128 North Church,
Tucson, Arizona.

Attention: Mr. B. H. Martin

Gentlemen:

Following are our copper assays on 29 samples received by this office on December 21, 1956:

| Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|
| 1342 | 0.90 | 1357 | 0.31 |
| 3 | 0.31 | 8 | 0.19 |
| 4 | 0.22 | 9 | 0.29 |
| 5 | 0.19 | 1360 | 0.36 |
| 6 | 0.24 | 1 | 0.22 |
| 7 | 0.72 | 2 | 0.29 |
| 8 | 0.67 | 3 | 0.44 |
| 9 | 1.24 | 4 | 0.27 |
| 1350 | 0.46 | 5 | 0.19 |
| 1 | 0.22 | 6 | 0.24 |
| 2 | 0.36 | 7 | 0.19 |
| 3 | 0.73 | 8 | 0.17 |
| 4 | 0.31 | 9 | 0.24 |
| 5 | 0.17 | 1370 | 0.19 |
| 1356 | 0.15 | | |

Respectfully submitted;

DICKINSON LABORATORIES, INC.,

By: George L. Dickinson
George L. Dickinson

P.S. "MERRY XMAS & HAPPY NEW YEAR"

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
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ORE SHIPPERS AT
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DICKINSON LABORATORIES

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Dec. 31, 1956.

LAB. NO. 10904

Lewisohn Copper Corporation,
123 North Church,
Tucson, Ariz.

Mr. R. H. Martin-Gen Mgr.

Gentlemen:

Following are our assays on 68 samples received by this laboratory Dec. 29 & 31:

| Sample No. | % Copper | Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|---|---|
| 1371 | 0.23 | 1401 | 1.57 | 1431 | 0.24 |
| 1372 | 0.21 | 1402 | 1.14 | 1432 | 0.26 |
| 1373 | 0.19 | 1403 | 2.05 | 1433 | 0.19 |
| 1374 | 0.09 | 1404 | 1.52 | 1434 | 0.16 |
| 1375 | 0.14 | 1405 | 1.21 | 1435 | 0.16 |
| 1376 | 0.14 | 1406 | 0.76 | 1436 | 0.14 |
| 1377 | 0.16 | 1407 | 0.78 | 1437 | 0.14 |
| 1378 | 0.19 | 1408 | 2.44 | | |
| 1379 | 0.24 | 1409 | 0.86 | CD-44 ) | |
| 1380 | 0.24 | 1410 | 1.40 | P-4 210/215) | 1.19 |
| 1381 | 0.63 | 1411 | 1.21 | 1411 ) | |
| 1382 | 0.80 | 1412 | 0.39 | | |
| 1383 | 0.95 | 1413 | 0.31 | | |
| 1384 | 0.80 | 1414 | 0.19 | | |
| 1385 | 0.71 | 1415 | 0.24 | | |
| 1386 | 0.71 | 1416 | 0.16 | | |
| 1387 | 0.56 | 1417 | 0.19 | | |
| 1388 | 0.34 | 1418 | 0.09 | | |
| 1389 | 0.36 | 1419 | 0.12 | | |
| 1390 | 0.41 | 1420 | 0.16 | | |
| 1391 | 0.39 | 1421 | 0.12 | | |
| 1392 | 0.34 | 1422 | 0.59 | | |
| 1393 | 0.36 | 1423 | 0.73 | | |
| 1394 | 0.36 | 1424 | 0.56 | | |
| 1395 | 0.63 | 1425 | 0.34 | | |
| 1396 | 0.71 | 1426 | 0.49 | | |
| 1397 | 1.14 | 1427 | 0.56 | | |
| 1398 | 2.11 | 1428 | 0.26 | | |
| 1399 | 1.31 | 1429 | 0.19 | | |
| 1400 | 1.48 | 1430 | 0.16 | | |

Respectfully submitted,

Dickinson Laboratories, Inc.,

[illegible]

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND COPPER
[illegible]

W. E. HAWLEY
PRESIDENT

BOX 4
EL PASO, TEXAS

# HAWLEY & HAWLEY
ASSAYERS AND CHEMISTS, INC.
SHIPPERS REPRESENTATIVES
UMPIRES, WEIGHERS AND SAMPLERS

H. W. BOLLWEG, JR.
TREASURER

LABORATORIES:
537 TWELFTH STREET
BOX 1060
DOUGLAS, ARIZONA

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF Lewisohn Copper Corp.

| OFFICE NO. | MARKED | GOLD OZS. | SILVER OZS. | LEAD PER CENT | COPPER PER CENT | ZINC PER CENT | IRON PER CENT | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 295980 | Sample No. 344 | | | | 0.21 | | | | | |
| | " 345 | | | | 0.29 | | | | | |
| | " 346 | | | | 0.25 | | | | | |
| | " 347 | | | | 0.46 | | | | | |
| | " 954 | | | | 0.03 | | | | | |
| | " 955 | | | | 0.63 | | | | | |
| | " 1005 | | | | 1.16 ✓ | | | | | |
| | " 1022 | | | | 0.48 | | | | | |
| | " 1030 | | | | 0.26 | | | | | |
| | " 1040 | | | | 1.00 ✓ | | | | | |
| | " 1049 | | | | 0.58 | | | | | |
| | " 1081 | | | | 0.50 | | | | | |
| | " 1089 | | | | 0.76 | | | | | |
| | " 1120 | | | | 0.77 | | | | | |
| | " 1181 | | | | 0.59 | | | | | |
| | " 1191 | | | | 1.32 ✓ | | | | | |
| | " 1200 | | | | 0.45 | | | | | |
| | " 1222 | | | | 0.89 | | | | | |
| | " 1230 | | | | 4.53 ✓ | | | | | |
| | " 1234 | | | | 0.69 | | | | | |

NOT DMEA

DMEA CHECK SAMPLES (14) (Bottom)

CHARGES: $ 40.00
DATE 12/27/56

HAWLEY & HAWLEY
PER [signature] ASSAYER

PHONES: TUCSON 3-2973 OR 3-1385 [illegible]ER 10

# PURCELL MINING AND DRILLING COMPANY

P. O. Box 670
TUCSON, ARIZONA

January 7, 1957

Lewisohn Copper Corporation,
128 N. Church Avenue,
Tucson, Arizona.

## STATEMENT OF DECEMBER 1956 DRILLING

Grid Location: P-6
Hole Number: 42

| | | | |
|---|---|---|---|
| 460' | of drilling @ $6.00 per Foot | $2,760.00 | |
| 120' | of reaming @ 4.00 " " | 480.00 | |
| 485' | of casing @ .25 " " | 121.25 | |
| 1128' | of liners @ .50 " " | 564.00 | |
| 5' | of conductor pipe @ $5.00 per foot (left in hole) | 25.00 | |
| 31 | hours rig time @ $12.50 per hour | 387.50 | $4,337.75 |

Grid Location: O-3
Hole Number: 43

| | | | |
|---|---|---|---|
| 220' | of drilling @ $6.00 per foot | $1,320.00 | |
| 65' | of reaming @ 4.00 " " | 260.00 | |
| 369 | of casing @ .25 " " | 92.25 | |
| 5' | of conductor pipe @ $5.00 per foot (left in hole) | 25.00 | |
| 8 | hours rig time @ $12.50 per hour | 100.00 | 1,797.25 |

Grid Location: P-4
Hole Number: 44

| | | | |
|---|---|---|---|
| 345' | of drilling @ $6.00 per foot | $2,070.00 | |
| 120' | of reaming @ 4.00 " " | 480.00 | |
| 1381' | of casing @ .25 " " | 345.25 | |
| 116' | of liners @ .50 " " | 58.00 | |
| 5' | of conductor pipe @ $5.00 per foot (left in hole) | 25.00 | |
| 9 | hours rig time @ $12.50 per hour | 112.50 | 3,090.75 |
| | | | $9,225.75 |

PURCELL DRILLING COMPANY

By
Martha G. Purcell. Owner

Received payment:

Martha G. Purcell. Owner

Certified Copy
BHM

RECEIVED
FEB 1 1957
D.M.E.A.

**LEWISOHN COPPER CORP.**

ASSAY LOG

Start Nov 29
End Dec 12

HOLE NO. 42 CHURN DRILL

Project Peach

Location Helvetia

Grid Location P-6 ECMEA #5

Coordinates N_____ E_____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | Overburden | | | | | | | | | | | | | | | | | | | |
| 1239 | 5 | 10 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1240 | 10 | 15 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1241 | 15 | 20 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1242 | 20 | 25 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1243 | 25 | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1244 | | [illegible] | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| [illegible] | | 40 | | | Lost sample | | | | | | | | | | | | | | | | | | | |
| 1246 | 40 | 45 | | | No sample | | | Lost in drilling | | | | | | | | | | | | | | | | |
| 1247 | 45 | 50 | | | No sample | | | | | | | | | | | | | | | | | | | |
| 1248 | 50 | 55 | | | | | | 0.35 | | | | | | | | | | | | | | | | |
| [illegible] | 55 | 60 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1252 | [illegible] | [illegible] | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1253 | [illegible] | | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| 1254 | | [illegible] | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1255 | 90 | 95 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1257 | | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | 120 | | | | | | 0.24 | | | | | | | | | | | | | | | | |

Page No _____

**LEWISTON COPPER CORP.** ASSAY LOG HOLE NO. 42 CHURN DRILL

Project [illegible]

Location [illegible]

Grid Location P-6

Coordinates N ______ E ______

Elevation at Collar ______

| Sample No. | Hole Depth From | Hole Depth To | Interval | Size | Cuttings Weight lbs. oz. | Split | % Recovery | % Total Copper | | | Accepted | % N-S Cu | | Accepted | % Molybdenum | | Accepted | oz. Gold | | Accepted | oz. Silver | | Accepted | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1266 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1272 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.69 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.37 | | | | | | | | | | | | | | | | |
| 1282 | [illegible] | 230 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1283 | 230 | 235 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1284 | 235 | 240 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1285 | 240 | 245 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1286 | [illegible] | 250 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1287 | 250 | 255 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1288 | 255 | 260 | | | | | | 0.22 | | | | | | | | | | | | | | | | |

**LEWIS[illegible]N COPPER CORP.** ASSAY LOG

HOLE NO. 42 CHURN DRILL

Project Peach

Location Helvetia

Grid Location P-6

Coordinates N____ E____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1289 | 260 | 265 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1290 | 265 | 270 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1291 | 270 | 275 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1292 | 275 | 280 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1293 | 280 | 285 | | | | | | 0.50 | | | | | | | | | | | | | | | | |
| 1294 | 285 | 290 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1295 | 290 | 295 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1296 | 295 | [illegible] | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1297 | [illegible] | [illegible] | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1298 | [illegible] | [illegible] | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1299 | 310 | 315 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1300 | 315 | 320 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1301 | [illegible] | 325 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1302 | 325 | 330 | | | | | | 0.51 | | | | | | | | | | | | | | | | |
| 1303 | 330 | 335 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1304 | 335 | 340 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1305 | [illegible] | 345 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1306 | [illegible] | [illegible] | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1307 | 350 | 355 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1308 | [illegible] | [illegible] | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1309 | [illegible] | [illegible] | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1310 | [illegible] | [illegible] | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1311 | [illegible] | 375 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1312 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1313 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1314 | [illegible] | [illegible] | | | | | | 1.67 | | | | | | | | | | | | | | | | |

**LEWIS[illegible]N COPPER CORP.** ASSAY LOG

HOLE NO. 42 CHURN DRILL

Project Peach

Location Helvetia

Grid Location P-6

Coordinates N____ E____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1315 | 390 | 395 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1316 | 395 | 400 | | | | | | 1.14 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | 405 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| [illegible] | 405 | 410 | | | | | | 0.66 | ↑ | 6.50 / .93 | 375-410 / 5 | | | | | | | | | | | | | |
| [illegible] | 410 | 415 | | | | | | [illegible] | | | 8 | | | | | | | | | | | | | |
| [illegible] | 415 | 420 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1321 | 420 | 425 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1322 | 425 | 430 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | 430 | 435 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | 440 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1325 | [illegible] | [illegible] | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1326 | 445 | 450 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1327 | 450 | 455 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1328 | 455 | 460 | | | | | | 0.19 | | | | | | | | | | | | | | | | |

**LEWIS[illegible]N COPPER CORP.**

ASSAY LOG

HOLE NO. 43 CHURN DRILL

Project Peach

Location Helustia

Start Dec 13
End Dec 17

Grid Location 0-35 OMEA #7
Coordinates N_____ E_____
Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | OVERBURDEN | | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | | | OVERBURDEN | | | | | | | | | | | | | | | | | | | |
| 1329 | 10 | 15 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1330 | 15 | 20 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1331 | 20 | 25 | | | | | | 0.59 | ↓ | | | | | | | | | | | | | | | |
| 1332 | 25 | 30 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1333 | 30 | 35 | | | | | | 0.85 | | | | | | | | | | | | | | | | |
| 1334 | 35 | 40 | | | | | | 0.69 | | | | | | | | | | | | | | | | |
| 1335 | 40 | 45 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1336 | 45 | 50 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1337 | 50 | 55 | | | | | | 0.94 | | | | | | | | | | | | | | | | |
| 1338 | 55 | 60 | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| 1339 | 60 | 65 | | | | | | 0.72 | | | | | | | | | | | | | | | | |
| 1340 | 65 | 70 | | | | | | 0.97 | | | | | | | | | | | | | | | | |
| 1341 | 70 | 75 | | | | | | 1.23 | | | | | | | | | | | | | | | | |
| 1342 | 75 | 80 | | | | | | 0.90 | ↑ | 907/.76 | 20-80/60 | | | | | | | | | | | | | |
| 1343 | 80 | 85 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1344 | 85 | 90 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1345 | 90 | 95 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1346 | 95 | 100 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1347 | 100 | 105 | | | | | | 0.72 | | | | | | | | | | | | | | | | |
| 1348 | 105 | 110 | | | | | | 0.67 | | | | | | | | | | | | | | | | |
| 1349 | 110 | 115 | | | | | | 1.24 | ↑ | 1266/.67 | 20-115/95 | | | | | | | | | | | | | |
| 1350 | [illegible] | [illegible] | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1351 | [illegible] | [illegible] | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1352 | [illegible] | [illegible] | | | | | | 0.36 | | | | | | | | | | | | | | | | |

**LEWIS[illegible]N COPPER CORP.**

ASSAY LOG

Project Peach

Location Helvetia

Start Dec 18
End Dec 23

HOLE NO. 44 CHURN DRILL

Grid Location P-4 COMEA 47

Coordinates N____ E____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | | | | OVERBURDEN | | | | | | | | | | | | | | | | |
| | 5 | 10 | | | | | | OVERBURDEN | | | | | | | | | | | | | | | | |
| 1371 | 10 | 15 | | | | | | 0.23 | | | | | | | | | | | | | | | | |
| 1372 | 15 | 20 | | | | | | 0.21 | | | | | | | | | | | | | | | | |
| 1373 | 20 | 25 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1374 | 25 | 30 | | | | | | 0.09 | | | | | | | | | | | | | | | | |
| 1375 | 30 | 35 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1376 | 35 | 40 | | | | | | 0.14 | | | | | | | | | | | | | | | | |
| 1377 | 40 | 45 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1378 | 45 | 50 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1380 | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1381 | [illegible] | 65 | | | | | | 0.63 | | | | | | | | | | | | | | | | |
| 1382 | 65 | 70 | | | | | | 0.80 | | | | | | | | | | | | | | | | |
| [illegible] | 70 | 75 | | | | | | 0.95 | | | | | | | | | | | | | | | | |
| [illegible] | 75 | 80 | | | | | | 0.80 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.71 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.71 | | | | | | | | | | | | | | | | |
| 1387 | [illegible] | [illegible] | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1393 | [illegible] | 125 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1394 | [illegible] | 130 | | | | | | [illegible] | | | | | | | | | | | | | | | | |

**LEWIS[illegible]N COPPER CORP.**

ASSAY LOG

HOLE NO. 48 CHURN DRILL

Project Peace

Location Helena

Grid Location 1-4

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 130 | 135 | | | | | | 0.63 | | | | | | | | | | | | | | | | |
| 1396 | [illegible] | [illegible] | | | | | | 0.71 | | | | | | | | | | | | | | | | |
| 1397 | 140 | 145 | | | | | | 1.04 | | | | | | | | | | | | | | | | |
| 1398 | 145 | 150 | | | | | | 0.[illegible] | | | | | | | | | | | | | | | | |
| 1399 | [illegible] | [illegible] | | | | | | 1.31 | | | | | | | | | | | | | | | | |
| 1400 | [illegible] | 160 | | | | | | 1.48 | | | | | | | | | | | | | | | | |
| [illegible] | 160 | 165 | | | | | | 1.57 | | | | | | | | | | | | | | | | |
| [illegible] | 165 | 170 | | | | | | 1.14 | | | | | | | | | | | | | | | | |
| 1403 | 170 | 175 | | | | | | 2.05 | | | | | | | | | | | | | | | | |
| 1404 | [illegible] | 180 | | | | | | 1.52 | | | | | | | | | | | | | | | | |
| 1405 | [illegible] | 185 | | | | | | 1.21 | | | | | | | | | | | | | | | | |
| [illegible] | 185 | 190 | | | | | | 0.76 | | | | | | | | | | | | | | | | |
| [illegible] | 190 | 195 | | | | | | 0.78 | | | | | | | | | | | | | | | | |
| [illegible] | 195 | 200 | | | | | | 2.44 | | | | | | | | | | | | | | | | |
| 1409 | [illegible] | 205 | | | | | | 0.86 | | | | | | | | | | | | | | | | |
| 1410 | 205 | 210 | | | | | | 1.4[illegible] | | | | | | | | | | | | | | | | |
| 1411 | 210 | 215 | | | | | | 1.21 | ↑ | 30[illegible] / .97 | 60-215 / 1.55 | | | | | | | | | | | | | |
| 1412 | 215 | 220 | | | | | | 0.[illegible] | | | $ | | | | | | | | | | | | | |
| 1413 | [illegible] | [illegible] | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1414 | [illegible] | 230 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1415 | [illegible] | 235 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1416 | 235 | 240 | | | | | | 0.16 | | | | | | | | | | | | | | | | |
| 1417 | 240 | 245 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1418 | 245 | 250 | | | | | | 0.09 | | | | | | | | | | | | | | | | |
| 1419 | 250 | 255 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1420 | 255 | 260 | | | | | | 0.16 | | | | | | | | | | | | | | | | |

**LEWIS[illegible]N COPPER CORP.** ASSAY LOG

Project Peach

Location Helvetia

HOLE NO. 44 CHURN DRILL

Grid Location P-4

Coordinates N____ E____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1421 | 240 | 245 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1422 | 245 | 270 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1423 | 270 | 275 | | | | | | 0.73 | | | | | | | | | | | | | | | | |
| 1424 | 275 | [illegible] | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| [illegible] | 280 | 285 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| [illegible] | 285 | 290 | | | | | | 0.47 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | 295 | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| 1429 | [illegible] | [illegible] | | | | | | 0.26 | | | | | | | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1430 | 305 | 310 | | | | | | 0.16 | | | | | | | | | | | | | | | | |
| [illegible] | 310 | 315 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| [illegible] | 315 | 320 | | | | | | 0.26 | | | | | | | | | | | | | | | | |
| [illegible] | 320 | 325 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| [illegible] | 325 | 330 | | | | | | 0.16 | | | | | | | | | | | | | | | | |
| [illegible] | 330 | [illegible] | | | | | | 0.16 | | | | | | | | | | | | | | | | |
| [illegible] | 335 | [illegible] | | | | | | 0.14 | | | | | | | | | | | | | | | | |
| [illegible] | 340 | 345 | | | | | | 0.14 | | | | | | | | | | | | | | | | |

RECEIVED
FEB 1 1957
DMHEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

FINAL DISTRIBUTION
MAIL JAN 11 1957

224 New Customhouse
Denver 2, Colorado

January 8, 1957

RECEIVED JAN 14 1957 D.M.E.A.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4221 (Copper) Contract Idm-E1027, Lewisohn Copper Corporation (Peach mine) Pima County, Arizona - Operator's Monthly Progress Report for the month of November, 1956

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

We consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended for 50 percent of the amount reported on Form MF-104 for November, 1956, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks

Date of Report - - - - - - - - - - - December 15, 1956
Date Received in Field Office - - December 19, 1956
Date Received in Region Office - - December 26, 1956

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: Chm. Op. Comm. (2)
Barshman w/copy of engr's. report
MF-104 File E1027
Storms
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
DEC 26 1956
REGION III
DENVER, COLORADO

RECEIVED
JAN 14 1957
D.M.E.A.

December 20, 1956

Memorandum

To : W. M. Tuzzer, Executive Officer, DMEA Field Team

From : Lincoln A. Stewart for Superintendent, Southwest Experiment Station

Subject : Progress Report for November 1956, Project DMEA-42H (Copper) Contract Ldn-[illegible], Louisiana Copper Corp. (Peach Mine), Pima County, Ariz.

Enclosed in quintuplicate are the following:

1. Bureau of Mines engineer's report;

2. Operator's narrative report with map;

3. Forms MF-104 and MF-104A.

Also enclosed are 4 extra copies of our engineer's report.

As all work is in accordance with terms of the contract, I recommend that the Government's share of the cost be paid.

LINCOLN A. STEWART

Lincoln A. Stewart for
Walter R. Stone
Superintendent
Southwest Experiment Station

W. M. Tuzzer (5)
DMEA-42H
DF

LAStewart:frj

JAN 14 1957
O.M.E.R.

December 20, 1956

Memorandum

To : Walter R. Stamm, Superintendent, Southwest Experiment Station:

From : T. M. Rumale, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for November 1956, Docket DMEA-4221 (Copper) Contract IDA-1187, Lucianna Copper Corp. (Peach Mine) Pima County, Ariz.

On December 6, 1956, I visited the Peach Mine and inspected progress under subject exploration contract with Richard E. Chilson, President of the Corp., and R. H. Martin, Manager and project supervisor.

I found that 4 of the 12 approved holes of Stage I (P-2, P-3, P-4, and P-7) reportedly had been completed for a total depth of 1,220 feet during November. Drilling of the fifth hole, P-6, was in progress.

The drilling is being done by the Parnell Mining and Drilling Company, under an independent contract, using a 50-I. Sullivan Rock diamond drill. Three shifts are worked daily for 6 days a week. This company recently completed drilling at the nearby Parnell copper property. The operations are supervised by Mrs. Martha A. Parnell, who I met at the drilling. Mrs. Parnell reportedly entered the business several years ago after inspecting the operations of several drilling contractors, one of whom had drilled her property near Oracle, Ariz. She reportedly found most of the drilling was not in conformance with accepted practices and that the operations were inefficient. Based on these findings she set up a company that has been successful; probably the most important reason for this is that the operations are carried out efficiently and properly by well-paid experienced drillers. Other reasons for the successful operations are that excellent equipment is kept in good operating condition and an adequate supply of accessories is available from an orderly arranged depot at each job.

W. M. Trayer (Orig. & 3)
DMEA-4221
SF

TMRumale:frj

A total of 128 5-foot samples were obtained from 4 holes by samplers employed by the operator. They were prepared by other samplers, also employed by the operator, for assay by the Richmond Laboratories, Inc., El Paso, Texas. My inspections at both the drill rig and the sampling frame on the property indicated that the samples were properly obtained and prepared for analyses.

The less than average thickness and grades of ore penetrated by holes 3-D, 3-E and 3-G indicate a weakening of mineralization at the northeasterly portion of the zone. Hole 3-F in the northwestern portion of the zone penetrated 70 feet of potential ore containing an average of about 1.16 percent copper.

## ANALYSIS OF THE OPERATOR'S REPORT

### Form MF-124

Shown Drilling - The $16,610.50 is for 1,330 feet of advance at an agreed total cost documented by the certified drill contractor's invoice. The average per foot cost of about $8.43 is less than the maximum allowable $10.00. The reported 1,330 feet of drilling is shown on the sub-contractor invoice and the separate geological and assay logs of holes.

Sampling and Analysis - The $169.00 is for the assay of the 128 samples at the authorized fixed cost of $1.40 per sample. The analyses of the 128 samples are shown on the assayers report and the assay logs.

Shown 4 Shown 7 (less assaying) - The $2,486.50 is for the 1,330 feet of drilling at the authorized fixed cost of $1.83 per foot.

Total Costs - The Monthly and To-Date totals of $13,497.50 appear to be correct.

### Form MF-124A

The form is properly completed.

### Narrative Report

The report with attached map is considered satisfactory. Separate geologic and assay logs are a part of the report.

T. M. Ramale, Mining Engineer
Southwest Experiment Station

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1956 Docket No. DMEA 4221 (COPPER) Contract No. Idm-E 1027
Operator's Name LEWISOHN COPPER CORP Minerals COPPER
Address 128 N. CHURCH, TUCSON, ARIZONA
Contract Amount, $ 88,780.00 Government Participation: 50 % Amount, $ 44,390.00

| ITEMS OF COSTS | FOR OPERATOR'S USE | | | FOR GOVERNMENT USE ONLY | | |
|---|---|---|---|---|---|---|
| | Monthly Total | Totals Previously Reported | Totals To Date | Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
| (1) Independent Short Form Contracts: | | | | | | |
| Drilling | 10,619.50 | 0 | 10,619.50 | 1/28/57 | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Track | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | 380.80 | 0 | 380.80 | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) ~~Contingencies~~ (specify): Items 2 thru 7 (less assaying) | 2,496.90 | 0 | 2,496.90 | | | |
| TOTALS | 13,497.20 | 0 | 13,497.20 | 13,497.20 | — | 13,497.20 |

RECEIVED JAN 14 1957 D.M.E.A.

DMEA DEPARTMENT OF THE INTERIOR DEC 26 1956 REGION III DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Dec. 15, 1956 *Payee LEWISOHN COPPER CORP

Per B. N. Martin Title MANAGER

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 6748.00

Signature [illegible]
(Authorized Certifying Officer)

Date 1/10/57 Vou. No. CMA 57-74

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 8027 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date Dec 19 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date JAN 8 1957

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JAN 14 1957 D.M.E.A.

# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1956 Docket No. DMEA 4221 (COPPER) Contract No. ~~TOM~~-E 1027
Operator's Name LEWISOHN COPPER CORP Minerals COPPER
Address 128 N. CHURCH, TUCSON, ARIZONA

| OPERATION | UNIT | COSTS THIS MONTH | UNITS THIS MONTH | COSTS TO DATE | UNITS TO DATE | UNIT COSTS TO DATE | AUTHORIZED BY CONTRACT Units | AUTHORIZED BY CONTRACT Unit Costs |
|---|---|---|---|---|---|---|---|---|
| Drifting | | | | | | | | |
| Crosscutting | | | | | | | | |
| Raising | | | | | | | | |
| Shafts | | | | | | | | |
| Winzes | | | | | | | | |
| Drilling: Core | | | | | | | | |
| Churn | Feet | 10,619.50 | 1230 | 10,619.50 | 1230 | 8.63 | 7200 | 10.00 |
| Auger | | | | | | | | |
| ~~Shipping~~ ASSAYS | EACH | 380.80 | 238 | 380.80 | 238 | 1.60 | 1200 | 1.60 |
| ~~Trenching~~ ASSAYS (CHECK) | EACH | 0 | 0 | 0 | 0 | 0 | 120 | 2.00 |
| Test Pits | | | | | | | | |
| ~~Roads and Trails~~ Items 2 thru 7 (less assaying) | Feet | 2,496.90 | 1230 | 2,496.90 | 1230 | 2.03 | 7200 | 2.03 |
| TOTAL DISTRIBUTED COSTS | | 13,497.20 | | 13,497.20 | | | | TOTAL COSTS AUTHORIZED BY CONTRACT |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| TOTAL COSTS | | 13,497.20 | | 13,497.20 | | | | 88,780.00 |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Dec 15, 1956 Operator LEWISOHN COPPER CORP

Per B. H. Martin Title MANAGER

REMARKS:

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

T M Ramsle

DMEA
DEPARTMENT OF THE INTERIOR
DEC 26 1956
REGION III
DENVER, COLORADO

## INSTRUCTIONS

*Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

**LEWISOHN COPPER CORP.**
128 NORTH CHURCH
TUCSON, ARIZONA

RECEIVED
JAN 14 1957
D.M.E.A.

December 1[illegible], 1[illegible]

## NARRATIVE REPORT FOR NOVEMBER

Docket No. D.M.E.A. 4221 (Copper)
Contract No. Idm-E 1027
Lewisohn Copper Corp. (Peach Mine)
Pima County, Arizona

Churn drilling under contract No. Idm-E 1027 was begun on November 2, 1956, by the Parcell Drilling Company of Tucson, Arizona, using a type 60-L Bucyrus Erie churn drill.

The four holes completed in November are indicated below:
(Refer to attached map)

| DMEA NO. | OUR NO. | GRID LOCATION | DEPTH |
|---|---|---|---|
| 1 | C-38 | D-2 | 285 |
| 2 | C-39 | E-3 | 380 |
| 3 | C-40 | G-3 | 460 |
| 4 | C-41 | T-3 | 105 |
| | | | 1,230 feet |

A total of 238 samples were taken, each representing an interval of 5 feet. Overburden was not sampled. These samples were split out of the entire volume of material by Jones splitters until approximately one gallon of material remained which is then dried on an automatic steam table. This gallon is further split until enough material remains for 3 sample pulps. The material is then pulverized. One pulp is sent to the assayer, the other 2 are filed. The rejects from this operation are also filed for future metallurgical testing. Dickinson Laboratories, of El Paso, Texas, are the assayers and the samples are being run for total copper. When sufficient have accumulated, approximately 10% of these returned pulps will be sent to Hawley & Hawley, assayers, of Douglas, Arizona, for check purposes.

The following procedure governs the drilling of all churn drill holes:

A 17 inch diameter hole is drilled through overburden to solid rock and 16 inch casing is then set. A 13 inch hole is then drilled until the ore zone is encountered. Ten inch casing is then set from the surface to the bottom of the hole. The hole size is now reduced to 9 inches and drilling below the casing further than the length of the drilling tools (about 40 feet) is prohibited to prevent salting of the samples. When 40 feet is reached, 8 inch casing (called liner) is run from just inside the bottom of the 10 inch to the bottom of the hole. The next 40 feet is now drilled 7 1/2 inches in diameter, then the above mentioned 8 inch casing pulled, the 7 1/2 inch hole reamed to 9 inches and an additional 40 feet of 8 inch casing run in. This process is repeated until the hole is bottomed in quartzite or granite. This continuous casing is necessary to preserve the integrity of the samples. No holes are being drilled smaller than 7 inches in diameter.

There is attached to this report a photostatic copy of the assay logs and geologic logs of the 4 holes.

There is also attached a map showing previous as well as present drilling in both plan and section.

Copies of the assay certificates are also attached and made a part of this report.

The 4 holes with which this report is concerned represent a total of 1,230 feet of drilling. This drilling developed 395 vertical feet of material with a weighted average of 0.70% copper. This is believed to be of a grade sufficient to constitute ore. Drilling conditions have in general been excellent.

LEWISOHN COPPER CORP.

By B. H. Martin
B. H. Martin, Manager

PHONES: TUCSON 3-2373 OR 5-1385: [redacted]10

# PURCELL MINING AND DRILLING COMPANY

P. O. Box 670
TUCSON, ARIZONA

RECEIVED
JAN 14 1957
D.M.E.A.

November 30, 1956

Lewisohn Copper Corporation,
128 N. Church Avenue
Tucson, Arizona.

Gentlemen:

We hereby submit our bill for drilling done on your property at Helvetia, for the period of November 2, 1956, to November 26, 1956, inclusive:

| GRID LOCATION | HOLE NO. | | |
|---|---|---|---|
| D - 2 | 38 | Drilled to 285 feet - - - - - | $ 2,801.75 |
| E - 3 | 39 | Drilled to 380 feet - - - - - | 3,534.00 |
| G - 3 | 40 | Drilled to 460 feet - - - - - | 3,588.25 |
| T - 3 | 41 | Drilled to 105 feet - - - - - | 695.50 |
| | Total | 1230 feet - - - - | $10,619.50 |

Yours truly,

PURCELL DRILLING COMPANY

By Martha G. Purcell
Martha G. Purcell.

Received Payment:

Martha G. Purcell
Martha G. Purcell.

Original invoice
B.H.M.

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

RECEIVED JAN 14 1957 D.M.E.A.

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
[illegible] GOLD ORE
[illegible] TESTING
HANCOCK LABORATORY
[illegible] WATER ANALYSES

Nov. 10, 1956.

LAB. NO. 10546

Ladwohn Copper Corp.,
128 N. Church,
Tucson, Ariz.

Attention: Mr. B. H. Martin, Manager.

Gentlemen:

Following are our assays on the 31 samples received by our office on Nov. 8th:

| Sample No. | % Copper | % Sol. Copper | % Molybdenum | Oz. per ton Gold | Oz. per ton Silver |
|---|---|---|---|---|---|
| SP-14 | 0.82 | 0.27 | 0.00 | 0.00 | 0.90 |
| SP-15 | 0.56 | 0.12 | 0.00 | 0.00 | 0.30 |
| SP-16 | 0.58 | 0.22 | Trace | 0.00 | 0.40 |
| 1001 | 0.75 | | | | |
| 1002 | 0.73 | | | | |
| 1003 | 0.46 | | | | |
| 1004 | 0.48 | | | | |
| 1005 | 0.94 | | | | |
| 1006 | 0.87 | | | | |
| 1007 | 0.56 | | | | |
| 1008 | 0.22 | | | | |
| 1009 | 0.24 | | | | |
| 1010 | 0.29 | | | | |
| 1011 | 0.24 | | | | |
| 1012 | 0.22 | | | | |
| 1013 | 0.12 | | | | |
| 1014 | 0.24 | | | | |
| 1015 | 0.12 | | | | |
| 1016 | 0.10 | | | | |
| 1017 | 0.22 | | | | |
| 1018 | 0.17 | | | | |
| 1019 | 0.31 | | | | |
| 1020 | 0.27 | | | | |
| 1021 | 0.27 | | | | |
| 1022 | 0.48 | | | | |
| 1023 | 0.53 | | | | |
| 1024 | 0.36 | | | | |
| 1025 | 0.36 | | | | |
| 1036 | 0.52 | | | | |
| 1038 | 0.68 | | | | |
| 1039 | 0.99 | | | | |

Respectfully submitted

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORE AND SCRAP COPPER
REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7606 • PHONE 2-3284
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
[illegible] LABORATORIES
[illegible] OILS
[illegible] TESTING
[illegible] LABORATORY
[illegible] ANALYSES

RECEIVED JAN 14 1957 D.M.E.A.

Nov. 16, 1956.

Lewisohn Copper Corp.,
198 N. Church,
Tucson, Ariz.

Mr. B. H. Martin, Manager.

Gentlemen:

Following are our assays on 27 samples received at this office this morning's mail:

| Sample No. | % Copper |
|---|---|
| 1026 | 1.04 |
| 1027 | 0.82 |
| 1028 | 0.34 |
| 1029 | 0.39 |
| 1030 | 0.31 |
| 1031 | 0.54 |
| 1032 | 0.80 |
| 1033 | 0.92 |
| 1034 | 0.44 |
| 1035 | 0.31 |
| 1037 | 0.54 |
| 1040 | 1.02 |
| 1041 | 0.79 |
| 1042 | 0.99 |
| 1043 | 0.54 |
| 1044 | 0.34 |
| 1045 | 0.36 |
| 1046 | 0.44 |
| 1047 | 0.50 |
| [illegible] | [illegible] |
| [illegible] | 0.61 |
| 1050 | 0.27 |
| 1051 | 0.31 |
| 1052 | 0.24 |
| 1053 | 0.18 |
| 1054 | 0.22 |
| 1055 | 0.15 |

Respectfully submitted

Dickinson Laboratories, Inc.

Geo. L. Dickinson

Geo. L. Dickinson

[illegible] REPRESENTATIVES AT
[illegible] SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORE AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7096 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

RECEIVED
JAN 14 1957
D.M.E.A.

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
SOUTHWESTERN ORE
SOUTHWEST TESTING
FUEL EFFICIENCY LABORATORY
SOIL AND WATER ANALYSES

Nov. 22, 1956.

LAB. NO. 10519

Lewisohn Copper Corp.,
128 North Church,
Tucson, Ariz.

Attention: Mr. B. H. Martin, Gen. Mgr.,

Gentlemen:

Following are our copper assays on 75 samples received by our office on Nov. 21:

| Sample No. | % Copper | Sample No. | % Copper | Sample No. | % Copper |
|---|---|---|---|---|---|
| Broad top X-2 | 2.18 | 1084 | 0.34 | | |
| 1056 | 0.46 | 1085 | 0.36 | 1113 | 0.12 |
| 1057 | 0.22 | 1086 | 0.29 | 1114 | 0.36 |
| 1058 | 0.17 | 1087 | 0.55 | 1115 | 0.31 |
| 1059 | 0.24 | 1088 | 0.61 | 1116 | 0.39 |
| 1060 | 0.34 | 1089 | 0.79 | 1117 | 0.48 |
| 1061 | 0.31 | 1090 | 0.39 | 1118 | 0.55 |
| 1062 | 0.34 | 1091 | 0.29 | 1119 | 0.82 |
| 1063 | 0.29 | 1092 | 0.27 | 1120 | 0.82 |
| 1064 | 0.31 | 1093 | 0.15 | 1121 | 0.41 |
| 1065 | 0.41 | 1094 | 0.27 | 1122 | 0.66 |
| 1066 | 0.34 | 1095 | 0.39 | 1123 | 0.59 |
| 1067 | 0.31 | 1096 | 0.22 | 1124 | 0.29 |
| 1068 | 0.58 | 1097 | 0.24 | 1125 | 0.24 |
| 1069 | 0.53 | 1098 | 0.22 | 1126 | 0.31 |
| 1070 | 0.53 | 1099 | 0.17 | 1127 | 0.27 |
| 1071 | 0.29 | 1100 | 0.19 | 1128 | 0.27 |
| 1072 | 0.17 | 1101 | 0.31 | 1129 | 0.15 |
| 1073 | 0.29 | 1102 | 0.50 | | |
| 1074 | 0.39 | 1103 | 0.41 | | |
| 1075 | 0.36 | 1104 | 0.29 | | |
| 1076 | 0.17 | 1105 | 0.22 | | |
| 1077 | 0.15 | 1106 | 0.22 | | |
| 1078 | 0.41 | 1107 | 0.12 | | |
| 1079 | 0.36 | 1108 | 0.41 | | |
| 1080 | 0.31 | 1109 | 0.39 | | |
| 1081 | 0.46 | 1110 | 0.39 | | |
| 1082 | 0.54 | 1111 | 0.46 | | |
| 1083 | 0.66 | 1112 | 0.22 | | |

Respectfully submitted

Dickinson Laboratories, Inc.

Geo. L. Dickinson

SHIPPER'S REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORES AND SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

J. A. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES, INC.

P. O. BOX 7006 • PHONE 2-6264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS ASSAYING LABORATORIES
COTTONSEED OILS
PHYSICAL TESTING
FARM SERVICE LABORATORY
SOIL AND WATER ANALYSES

Nov. 28, 1956.

LAB NO. 10661

Leadsohn Copper Corp.,
128 N. Church,
Tucson, Ariz.

Mr. R. H. Martin, Gen. Mgr.,

Gentlemen:

Following are our copper assays on 29 samples received by Parcels Post this morning:

| Sample No. | % Copper |
|---|---|
| 1130 | 0.36 |
| 1131 | 0.27 |
| 1132 | 0.19 |
| 1133 | 0.24 |
| 1134 | 0.22 |
| 1135 | 0.31 |
| 1136 | 0.10 |
| 1137 | 0.15 |
| 1138 | 0.22 |
| 1139 | 0.15 |
| 1140 | 0.19 |
| 1141 | 0.10 |
| 1142 | 0.36 |
| 1143 | 0.27 |
| 1144 | 0.24 |
| 1145 | 0.22 |
| 1146 | 0.24 |
| 1147 | 0.18 |
| 1148 | 0.16 |
| 1149 | 0.27 |
| 1150 | 0.24 |
| 1151 | 0.22 |
| 1152 | 0.24 |
| 1153 | 0.17 |
| 1154 | 0.10 |
| 1155 | 0.22 |
| 1156 | 0.27 |
| 1157 | 0.36 |
| 1158 | 0.36 |

Yours very truly

Dickinson Laboratories, Inc.,

Geo. L. Dickinson.

WITH OFFICE REPRESENTATIVES AT
EL PASO SMELTING WORKS
AND HUDGE REFINERY
FOR
PURCHASED SCRAP COPPER

REPRESENTATIVES
FOR
ORE SHIPPERS AT
MINES OR BORDER POINTS

GEO. L. DICKINSON—PRESIDENT
GEO. G. DICKINSON—VICE-PRESIDENT
ROBERT L. DICKINSON—VICE-PRESIDENT

F. X. HANCOCK, PH. D.
CONSULTING CHEMIST

ASSAYERS — CHEMISTS — METALLURGISTS
UMPIRES

# DICKINSON LABORATORIES INC.

P. O. BOX 7006 • PHONE 2-9264
1300 WEST MAIN ST.
EL PASO, TEXAS

SUBSIDIARIES:
TEXAS TESTING LABORATORIES
COTTONSEED OILS
PETROLEUM TESTING
FIELD SERVICE LABORATORY
OIL AND WATER ANALYSES

RECEIVED JAN 14 1957 D.M.E.A.

Dec. 6, 1956.

LAB. NO. 10710

Lewisohn Copper Corporation,
128 North Church,
Tucson, Ariz.

Mr. B. H. Martin, Gen. Mgr.

Gentlemen:

Following are our copper assays on 19 samples received by our office yesterday P. M.:

| Sample No. | % Copper |
|---|---|
| 1220 | 0.19 |
| 1221 | 0.15 |
| 1222 | 0.66 |
| 1223 | 0.29 |
| 1224 | 0.31 |
| 1225 | 0.54 |
| 1226 | 0.68 |
| 1227 | 1.51 |
| 1228 | 1.09 |
| 1229 | 1.38 |
| 1230 | 4.65 |
| 1231 | 1.04 |
| 1232 | 0.39 |
| 1233 | 1.96 |
| 1234 | 0.58 |
| 1235 | 0.39 |
| 1236 | 0.27 |
| 1237 | 0.10 |
| 1238 | 0.17 |

Respectfully submitted,

Dickinson Laboratories, Inc.,

Geo. L. Dickinson

Geo. L. Dickinson

REPRESENTATIVES AT
EL PASO SMELTING WORKS
PHELPS DODGE REFINERY
FOR
ORE AND SCRAP COPPER
REPRESENTATIVES
FOR
ORE SHIPPERS AT
MEXICAN BORDER POINTS

# DRILL HOLE LOG C-98

D.M.E.A. Hole No. 1
Grid Location: D-2
Collar Elevation: 4340 feet
Total Depth: 285 Feet

Hole Diameter

| Depth (Feet) | Diameter (Inches) |
|---|---|
| 0-205 | 10 |
| 205-285 | 6 |

RECEIVED JAN 14 1957 D.M.E.A.

| Depth (Feet) | | Geology |
|---|---|---|
| 0-130 | | Garnetized limestone. |
| | 0-45 | Garnetized limestone, weak clay alteration, quartz vein material containing sulfides. Weak magnetite and chalcopyrite; strong chrysocolla, malachite, copper pitch. |
| | 45-115 | Garnetized limestone, moderate to strong clay alteration, quartz vein material. Weak oxides. |
| | 115-130 | Garnetized limestone, quartz vein material. Moderate oxides and sulfides. |
| 130-255 | | Epidote rock. |
| | | Epidote rock with minor garnet and local quartz vein material. |
| | 130-220 | Moderate to strong magnetite, moderate pyrite and chalcopyrite. |
| | 220-255 | Moderate magnetite, strong pyrite, weak chalcopyrite. Pyrite moderate in last 15 feet. |
| 255-285 | | Granite. |
| | | Weak magnetite: weak pyrite, chalcopyrite and oxides. |

Ore Zones: 0-45 oxide, 115-255 sulfide.
Heavy Sulfide Zone: 130-255.

# DRILL HOLE LOG C-39

D.M.E.A. Hole No. 2
Grid Location: E-3
Collar Elevation: 4346 feet
Total Depth: 380 feet

Hole Diameter

| Depth (Feet) | Diameter (Inches) |
|---|---|
| 0-167 | 10 |
| 167-225 | 8 |
| 225-380 | 7 |

| Depth (Feet) | | Geology |
|---|---|---|
| 0-270 | | Garnetized limestone. |
| | 0-130 | Garnetized limestone, weak to strong clay alteration, quartz vein material containing sulfides. Minor siltstone and epidote rock last 25 feet. Weak to moderate magnetite, weak oxides, very weak sulfides. |
| | 130-185 | Garnetized limestone with disseminated limonite, weak clay alteration and quartz vein material with sulfides. Siltstone 150-155. Epidote rock 160-170. Moderate magnetite, weak pyrite, chalcopyrite and oxides. No pyrite or chalcopyrite first 15 feet. |
| | 185-270 | Garnetized limestone, quartz vein material with sulfides. Weak oxides. Magnetite, pyrite, chalcopyrite very weak 185-240, weak 240-270. |
| 270-370 | | Altered limestone. |
| | 270-315 | Light green calcareous clay rock; minor garnet 280-290; minor siltstone 300-305. Weak to moderate magnetite and pyrite, weak chalcopyrite. |
| | 315-370 | Light green epidote rock and light green calcareous clay rock; minor siltstone 350-355. Moderate magnetite, pyrite and chalcopyrite. Magnetite and chalcopyrite weak in last 20 feet. |

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JAN 14 1957
D.M.E.A.

**DRILL HOLE LOG C-39 - Continued**

370-380 Granite.

Weak magnetite and chalcopyrite, moderate pyrite.

Ore Zones: 135-180 oxide, 315-350 sulfide.
Heavy Sulfide Zone: 300-380 (moderate pyrite in granite at bottom of hole)

# DRILL HOLE LOG C-40

D.M.E.A. Hole No. 3
Grid Location: G-3
Collar Elevation: 4431 feet
Total Depth: 460 feet

**Hole Diameter**

| Depth (Feet) | Diameter (Inches) |
|---|---|
| 0-260 | 10 |
| 260-372 | 8 |
| 372-460 | 7 |

| Depth (Feet) | | Geology |
|---|---|---|
| 0-260 | | Garnetized limestone. |
| | | Weak to moderate clay alteration. Minor limestone 20 - 30 feet. Siltstone and garnetized limestone 40-85 feet. Disseminated limonite 90 - 260 feet. |
| | 80-245 | Weak to moderate magnetite. |
| | 245-260 | Weak magnetite, moderate pyrite, very weak chalcopyrite. |
| 260-385 | | Epidote rock. |
| | 260-315 | Weak to very weak pyrite and chalcopyrite. Weak magnetite first 10 feet. Trace native copper 270 - 275. |
| | 315-345 | Strong magnetite, moderate pyrite, strong chalcopyrite. |
| | 345-385 | Weak pyrite, chalcopyrite. Pyrite strong last 15 feet. |
| 385-460 | | Gray quartzite. |
| | | Weak pyrite and chalcopyrite. |

Ore Zone: 315-385 sulfide.
Heavy Sulfide Zone: 315-345.

# DRILL HOLE LOG C-41

D.M.E.A. Hole No. 4
Grid Location: T-3
Collar Elevation: 4229 feet
Total Depth: 105 feet

**Hole Diameter**

| Depth (Feet) | Diameter (Inches) |
|---|---|
| 105 | 10 |

| Depth (Feet) | | Geology |
|---|---|---|
| 0-35 | | Garnetized limestone. Moderate chrysocolla. |
| 35-65 | | Epidote rock. |
| | 35-55 | Light green epidote rock, minor garnet. Moderate chrysocolla. |
| | 55-60 | Dark green epidote rock, moderate magnetite. |
| | 60-65 | Dark green epidote rock. Weak magnetite; strong pyrite, chalcopyrite and chalcocite. |
| 65-105 | | Quartzite. |
| | 65-90 | Dark quartzite. Weak magnetite, strong pyrite, moderate chalcopyrite and chalcocite. |
| | 90-100 | Light quartzite. Same mineralization as above but weaker. |
| | 100-105 | Light quartzite. |

Ore Zones: 15-60 oxide, 60-85 sulfide.
Heavy Sulfide Zone: 65-100.

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JAN 14 1957
DMEA

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. 38 CHURN DRILL

Project Peach

Location Helvetia

START November 2 1956
END November 7 1956

Grid Location D-2 (DMEA Hole No 1)
Coordinates N _____ E _____
Elevation at Collar 4340

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | OVERBURDEN | | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | | | OVERBURDEN | | | | | | | | | | | | | | | | | | | |
| 1001 | 10 | 15 | | | | | | 0.75 | ↓ | | | | | | | | | | | | | | | |
| 1002 | 15 | 20 | | | | | | 0.73 | | | | | | | | | | | | | | | | |
| 1003 | 20 | 25 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1004 | 25 | 30 | | | | | | 0.48 | | | | | | | | | | | | | | | | |
| 1005 | 30 | 35 | | | | | | 0.94 | | | | | | | | | | | | | | | | |
| 1006 | 35 | 40 | | | | | | 0.87 | | | | | | | | | | | | | | | | |
| 1007 | 40 | 45 | | | | | | 0.56 | ↑ | 479/.48 | 10-45/75 | | | | | | | | | | | | | |
| 1008 | 45 | 50 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1009 | 50 | 55 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1010 | 55 | 60 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1011 | 60 | 65 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1012 | 65 | 70 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1013 | 70 | 75 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1014 | 75 | 80 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1015 | 80 | 85 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1016 | 85 | 90 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1017 | 90 | 95 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1018 | 95 | 100 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1019 | 100 | 105 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1020 | 105 | 110 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1021 | 110 | 115 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1022 | 115 | 120 | | | | | | 0.48 | ↓ | | | | | | | | | | | | | | | |
| 1023 | 120 | 125 | | | | | | 0.53 | | | | | | | | | | | | | | | | |
| 1024 | 125 | 130 | | | | | | 0.36 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

HOLE NO. 38 CHURN DRILL

Project Peach

Location Helvetia

Grid Location D-2

Coordinates N _____ E _____

Elevation at Collar 4340

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1025 | 130 | 135 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1026 | 135 | 140 | | | | | | 1.04 | | | | | | | | | | | | | | | | |
| 1027 | 140 | 145 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1028 | 145 | 150 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1029 | 150 | 155 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1030 | 155 | 160 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1031 | 160 | 165 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1032 | 165 | 170 | | | | | | 0.86 | | | | | | | | | | | | | | | | |
| 1033 | 170 | 175 | | | | | | 0.92 | | | | | | | | | | | | | | | | |
| 1034 | 175 | 180 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1035 | 180 | 185 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1036 | 185 | 190 | | | | | | 0.51 | | | | | | | | | | | | | | | | |
| 1037 | 190 | 195 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1038 | 195 | 200 | | | | | | 0.68 | | | | | | | | | | | | | | | | |
| 1039 | 200 | 205 | | | | | | 0.99 | | | | | | | | | | | | | | | | |
| 1040 | 205 | 210 | | | | | | 1.02 | | | | | | | | | | | | | | | | |
| 1041 | 210 | 215 | | | | | | 0.79 | | | | | | | | | | | | | | | | |
| 1042 | 215 | 220 | | | | | | 0.99 | | | | | | | | | | | | | | | | |
| 1043 | 220 | 225 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1044 | 225 | 230 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1045 | 230 | 235 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1046 | 235 | 240 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1047 | 240 | 245 | | | | | | 0.50 | | | | | | | | | | | | | | | | |
| 1048 | 245 | 250 | | | | | | 0.44 | | | | | | | | | | | | | | | | |
| 1049 | 250 | 255 | | | | | | 0.61 | ↑ | 1639 / .58 | 115-235 / 140 | | | | | | | | | | | | | |
| 1050 | 255 | 260 | | | | | | 0.27 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. 38 CHURN DRILL

Project Peach

Location Helvetia

Grid Location 0.2

Coordinates N ____ E ____

Elevation at Collar 4340

| Sample No. | HOLE Depth From | HOLE Depth To | HOLE Interval | HOLE Size | CUTTINGS Weight lbs. oz. | CUTTINGS Split | CUTTINGS % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1051 | 260 | 265 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1052 | 265 | 270 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1053 | 270 | 275 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1054 | 275 | 280 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1055 | 280 | 285 | | | | | | 0.15 | | | | | | | | | | | | | | | | |

RECEIVED
APR 19 1957
DMEA

**LEWISOHN COPPER CORP.**

ASSAY LOG

Start November 8, 1956
End November 14, 1956

HOLE NO. 39 CHURN DRILL

Project Peach
Location Helvetia

Grid Location E-3 (DMEA Hole No. 2)
Coordinates N _____ E _____
Elevation at Collar 4346

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | overburden | | | | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | overburden | | | | | | | | | | | | | | | | | | | | | |
| 1056 | 10 | 15 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1057 | 15 | 20 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1058 | 20 | 25 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1059 | 25 | 30 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1060 | 30 | 35 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1061 | 35 | 40 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1062 | 40 | 45 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1063 | 45 | 50 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1064 | 50 | 55 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1065 | 55 | 60 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1066 | 60 | 65 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1067 | 65 | 70 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1068 | 70 | 75 | | | | | | 0.58 | | | | | | | | | | | | | | | | |
| 1069 | 75 | 80 | | | | | | 0.53 | | | | | | | | | | | | | | | | |
| 1070 | 80 | 85 | | | | | | 0.53 | | | | | | | | | | | | | | | | |
| 1071 | 85 | 90 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1072 | 90 | 95 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1073 | 95 | 100 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1074 | 100 | 105 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1075 | 105 | 110 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1076 | 110 | 115 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1077 | 115 | 120 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1078 | 120 | 125 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1079 | 125 | 130 | | | | | | 0.36 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

HOLE NO. 39 CHURN DRILL

Project Peach

Location Helvetia

Grid Location E-3

Coordinates N _____ E _____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1080 | 130 | 135 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1081 | 135 | 140 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1082 | 140 | 145 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1083 | 145 | 150 | | | | | | 0.66 | | | | | | | | | | | | | | | | |
| 1084 | 150 | 155 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1085 | 155 | 160 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1086 | 160 | 165 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1087 | 165 | 170 | | | | | | 0.55 | | | | | | | | | | | | | | | | |
| 1088 | 170 | 175 | | | | | | 0.61 | | | | | | | | | | | | | | | | |
| 1089 | 175 | 180 | | | | | | 0.79 | 540 / .51 | 135-180 / 45 | Ps | | | | | | | | | | | | | |
| 1090 | 180 | 185 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1091 | 185 | 190 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1092 | 190 | 195 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1093 | 195 | 200 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1094 | 200 | 205 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1095 | 205 | 210 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1096 | 210 | 215 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1097 | 215 | 220 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1098 | 220 | 225 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1099 | 225 | 230 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1100 | 230 | 235 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1101 | 235 | 240 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1102 | 240 | 245 | | | | | | 0.56 | | | | | | | | | | | | | | | | |
| 1103 | 245 | 250 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1104 | 250 | 255 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1105 | 255 | 260 | | | | | | 0.22 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. 39 CHURN DRILL

Project Peach

Location Helvetia

Grid Location E-3

Coordinates N ____ E ____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1106 | 260 | 265 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1107 | 265 | 270 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1108 | 270 | 275 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1109 | 275 | 280 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1110 | 280 | 285 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1111 | 285 | 290 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1112 | 290 | 295 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1113 | 295 | 300 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1114 | 300 | 305 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1115 | 305 | 310 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1116 | 310 | 315 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1117 | 315 | 320 | | | | | | 0.48 ↓ | | | | | | | | | | | | | | | | |
| 1118 | 320 | 325 | | | | | | 0.55 | | | | | | | | | | | | | | | | |
| 1119 | 325 | 330 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1120 | 330 | 335 | | | | | | 0.82 | | | | | | | | | | | | | | | | |
| 1121 | 335 | 340 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1122 | 340 | 345 | | | | | | 0.66 | | | | | | | | | | | | | | | | |
| 1123 | 345 | 350 | | | | | | 0.59 | ↑ 433/.60 | 315-350 35 | PS | | | | | | | | | | | | | |
| 1124 | 350 | 355 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1125 | 355 | 360 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1126 | 360 | 365 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1127 | 365 | 370 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1128 | 370 | 375 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1129 | 375 | 380 | | | | | | 0.15 | | | | | | | | | | | | | | | | |

RECEIVED JAN 14 1957 DENVER

**LEWISOHN COPPER CORP.**

ASSAY LOG

Start November 16, 1956
End November 23, 1956

HOLE NO. 40 CHURN DRILL

Project Peach

Location Helvetia

Grid Location G-3 (DMEA HOLE No 3)
Coordinates N _____ E _____
Elevation at Collar 4431

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | | OVERBURDEN | | | | | | | | | | | | | | | | | | | |
| | 5 | 10 | | | OVERBURDEN | | | | | | | | | | | | | | | | | | | |
| 1130 | 10 | 15 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1131 | 15 | 20 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1132 | 20 | 25 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1133 | 25 | 30 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1134 | 30 | 35 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1135 | 35 | 40 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1136 | 40 | 45 | | | | | | 0.16 | | | | | | | | | | | | | | | | |
| 1137 | 45 | 50 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1138 | 50 | 55 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1139 | 55 | 60 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1140 | 60 | 65 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1141 | 65 | 70 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1142 | 70 | 75 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1143 | 75 | 80 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1144 | 80 | 85 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1145 | 85 | 90 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1146 | 90 | 95 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1147 | 95 | 100 | | | | | | 0.48 | | | | | | | | | | | | | | | | |
| 1148 | 100 | 105 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1149 | 105 | 110 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1150 | 110 | 115 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1151 | 115 | 120 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1152 | 120 | 125 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1153 | 125 | 130 | | | | | | 0.17 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

HOLE NO. 40 CHURN DRILL

Project Peach

Location Helvetia

Grid Location G-3

Coordinates N____ E____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1154 | 130 | 135 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1155 | 135 | 140 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1156 | 140 | 145 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1157 | 145 | 150 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1158 | 150 | 155 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1159 | 155 | 160 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1160 | 160 | 165 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1161 | 165 | 170 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1162 | 170 | 175 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1163 | 175 | 180 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1164 | 180 | 185 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1165 | 185 | 190 | | | | | | 0.46 | | | | | | | | | | | | | | | | |
| 1166 | 190 | 195 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1167 | 195 | 200 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1168 | 200 | 205 | | | | | | 0.59 | | | | | | | | | | | | | | | | |
| 1169 | 205 | 210 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1170 | 210 | 215 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1171 | 215 | 220 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1172 | 220 | 225 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1173 | 225 | 230 | | | | | | 0.50 | | | | | | | | | | | | | | | | |
| 1174 | 230 | 235 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1175 | 235 | 240 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1176 | 240 | 245 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1177 | 245 | 250 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1178 | 250 | 255 | | | | | | 0.36 | | | | | | | | | | | | | | | | |
| 1179 | 255 | 260 | | | | | | 0.31 | | | | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.** ASSAY LOG

HOLE NO. 40 CHURN DRILL

Project Peach

Location Helvetia

Grid Location 6-3

Coordinates N____ E____

Elevation at Collar ____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1180 | 240 | 245 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1181 | 245 | 270 | | | | | | 0.35 | | | | | | | | | | | | | | | | |
| 1182 | 270 | 275 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1183 | 275 | 280 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1184 | 280 | 285 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1185 | 285 | 290 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1186 | 290 | 295 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1187 | 295 | 300 | | | | | | 0.17 | | | | | | | | | | | | | | | | |
| 1188 | 300 | 305 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1189 | 305 | 310 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| 1190 | 310 | 315 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1191 | 315 | 320 | | | | | | 1.18 | ↓ | | | | | | | | | | | | | | | |
| 1192 | 320 | 325 | | | | | | 0.94 | | | | | | | | | | | | | | | | |
| 1193 | 325 | 330 | | | | | | 0.99 | | | | | | | | | | | | | | | | |
| 1194 | 330 | 335 | | | | | | 0.99 | | | | | | | | | | | | | | | | |
| 1195 | 335 | 340 | | | | | | 0.48 | | | | | | | | | | | | | | | | |
| 1196 | 340 | 345 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1197 | 345 | 350 | | | | | | 0.39 | | | | | | | | | | | | | | | | |
| 1198 | 350 | 355 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1199 | 355 | 360 | | | | | | 0.34 | | | | | | | | | | | | | | | | |
| 1200 | 360 | 365 | | | | | | 0.41 | | | | | | | | | | | | | | | | |
| 1201 | 365 | 370 | | | | | | 0.45 | | | | | | | | | | | | | | | | |
| 1202 | 370 | 375 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1203 | 375 | 380 | | | | | | 0.61 | | | | | | | | | | | | | | | | |
| 1204 | 380 | 385 | | | | | | 0.46 | ↑ | 843/.60 | 315-385/70 | | | | | | | | | | | | | |
| 1205 | 385 | 390 | | | | | | 0.36 | | | P.S. | | | | | | | | | | | | | |

**LEWISOHN COPPER CORP.**

ASSAY LOG

HOLE NO. 40 CHURN DRILL

Project Peach

Location Helvetia

Grid Location G-3

Coordinates N_____ E_____

Elevation at Collar _____

| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1206 | 390 | 395 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1207 | 395 | 400 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1208 | 400 | 410 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1209 | 410 | 415 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1210 | 415 | 420 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1211 | 420 | 425 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1212 | 425 | 430 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1213 | 430 | 435 | | | | | | 0.22 | | | | | | | | | | | | | | | | |
| 1214 | 435 | 440 | | | | | | 0.24 | | | | | | | | | | | | | | | | |
| 1215 | 440 | 445 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1216 | 445 | 450 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1217 | 450 | 455 | | | | | | 0.12 | | | | | | | | | | | | | | | | |
| 1218 | 455 | 460 | | | | | | 0.10 | | | | | | | | | | | | | | | | |
| | | | | | | | | 0.17 | | | | | | | | | | | | | | | | |

DEC 14 1957
DENVER

**LEWISOHN COPPER CORP.**

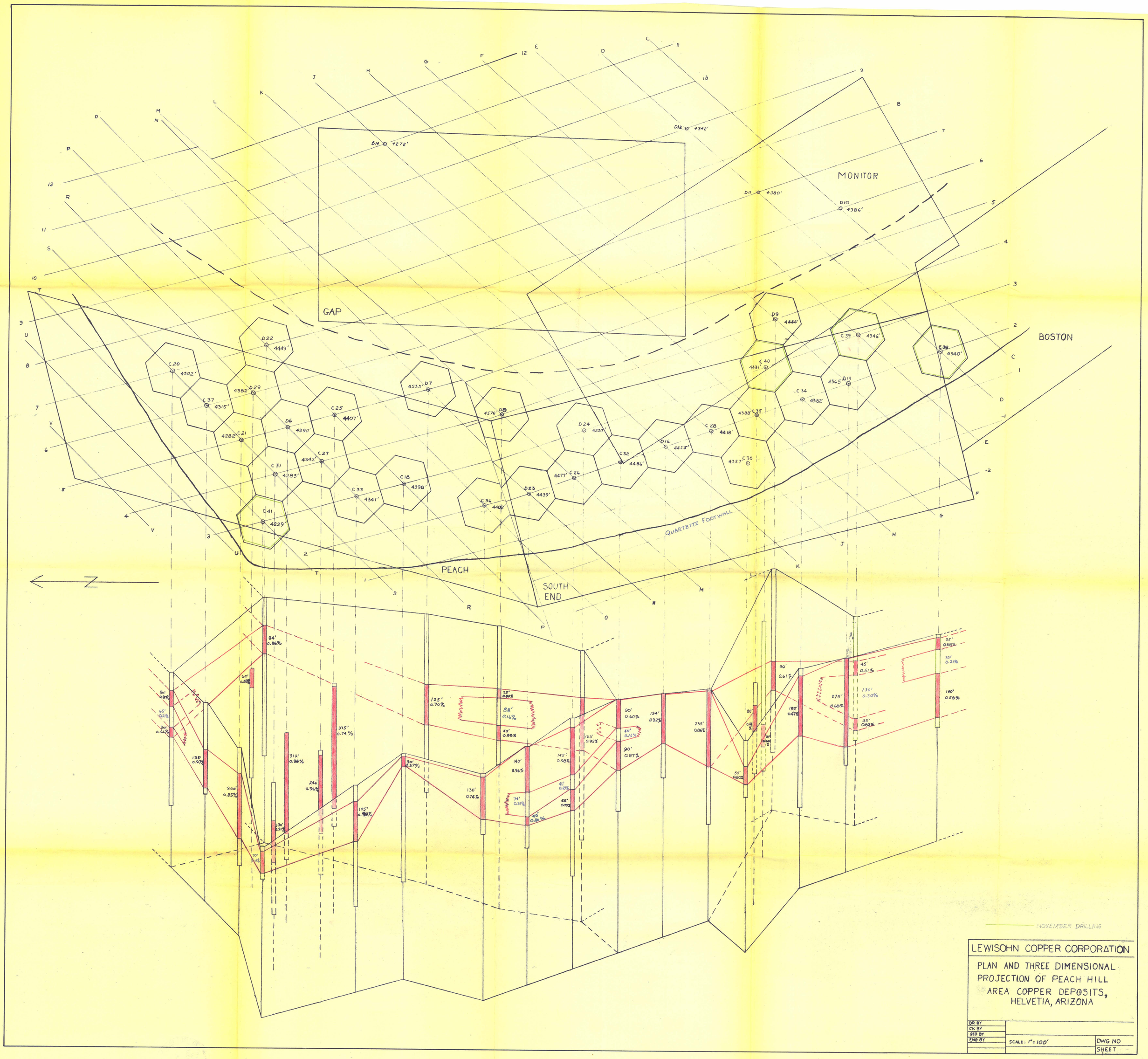
ASSAY LOG

Project Peach
Location Helveto

Started November 26
End November 27

HOLE NO. 41 CHURN DRILL
Grid Location T-3 (OMEA Hole #4)
Coordinates N ____ E ____
Elevation at Collar 4229

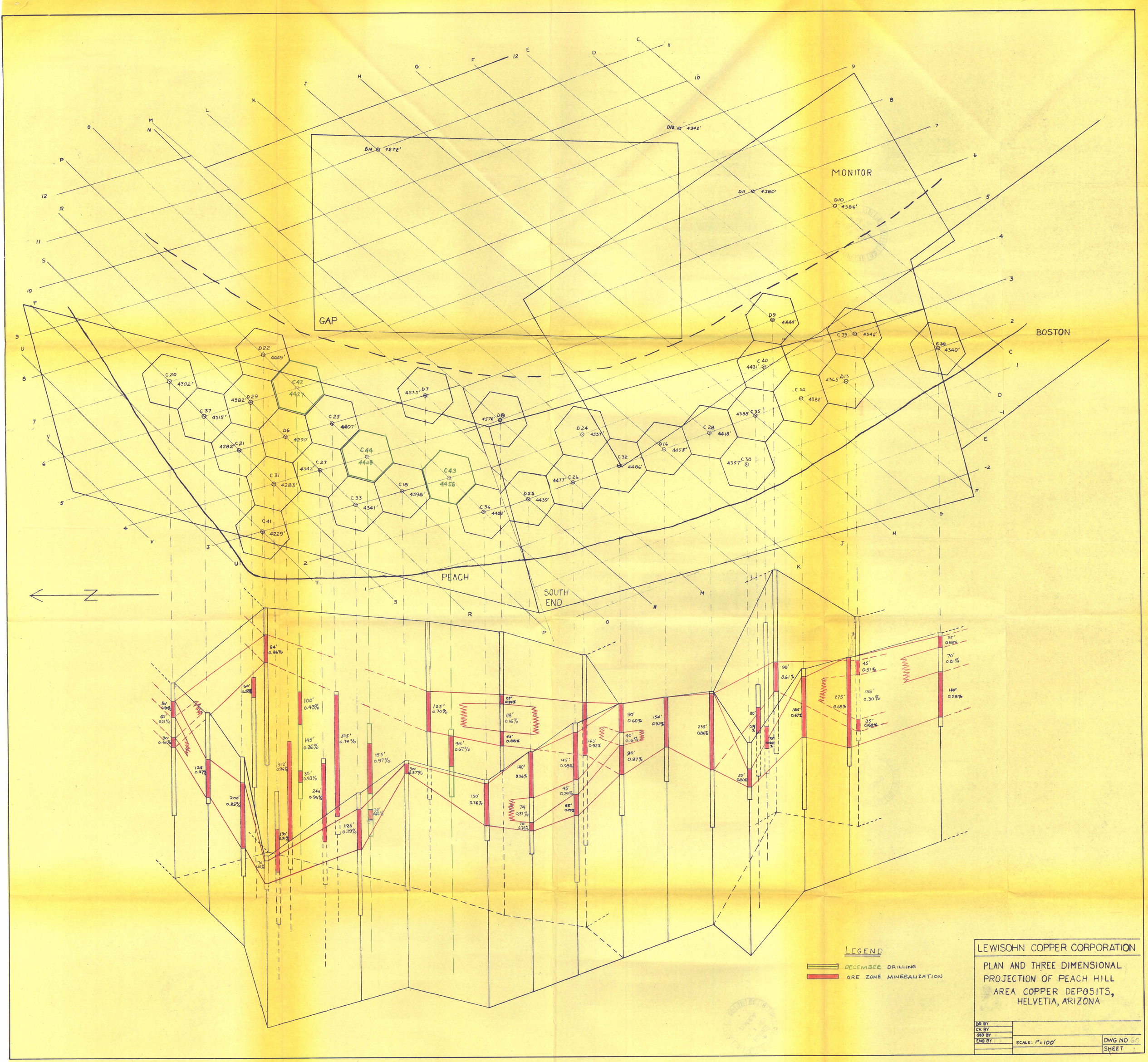
| Sample No. | HOLE Depth From | HOLE Depth To | Interval | Size | CUTTINGS Weight lbs. oz. | Split | % Recovery | % TOTAL COPPER | | | Accepted | % N-S Cu | | Accepted | % MOLYBDENUM | | Accepted | oz. GOLD | | Accepted | oz. SILVER | | Accepted | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | | Overburden | | | | | | | | | | | | | | | | | | | | |
| 1220 | 5 | 10 | | | | | | 0.19 | | | | | | | | | | | | | | | | |
| 1221 | 10 | 15 | | | | | | 0.15 | | | | | | | | | | | | | | | | |
| 1222 | 15 | 20 | | | | | | 0.66 | | | | | | | | | | | | | | | | |
| | 20 | 25 | No Sample - Lost in Crevice | | | | | | | | | | | | | | | | | | | | | |
| 1223 | 25 | 30 | | | | | | 0.29 | | | | | | | | | | | | | | | | |
| 1224 | 30 | 35 | | | | | | 0.31 | | | | | | | | | | | | | | | | |
| 1225 | 35 | 40 | | | | | | 0.54 | | | | | | | | | | | | | | | | |
| 1226 | 40 | 45 | | | | | | 0.68 | | | | | | | | | | | | | | | | |
| 1227 | 45 | 50 | | | | | | 1.51 | | | | | | | | | | | | | | | | |
| 1228 | 50 | 55 | | | | | | 1.09 | | | | | | | | | | | | | | | | |
| 1229 | 55 | 60 | | | | | | .33 | | | | | | | | | | | | | | | | |
| 1230 | 60 | 65 | | | | | | 4.65 | | | | | | | | | | | | | | | | |
| 1231 | 65 | 70 | | | | | | 1.04 | | | | | | | | | | | | | | | | |
| 1232 | 70 | 75 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1233 | 75 | 80 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1234 | 80 | 85 | | | | | | [illegible] | | 1506 / 1.15 | 15-85 / 70 | | | | | | | | | | | | | |
| 1235 | 85 | 90 | | | | | | 0.30 | | | | | | | | | | | | | | | | |
| 1236 | 90 | 95 | | | | | | 0.27 | | | | | | | | | | | | | | | | |
| 1237 | 95 | 100 | | | | | | [illegible] | | | | | | | | | | | | | | | | |
| 1238 | 100 | 105 | | | | | | 0.17 | | | | | | | | | | | | | | | | |

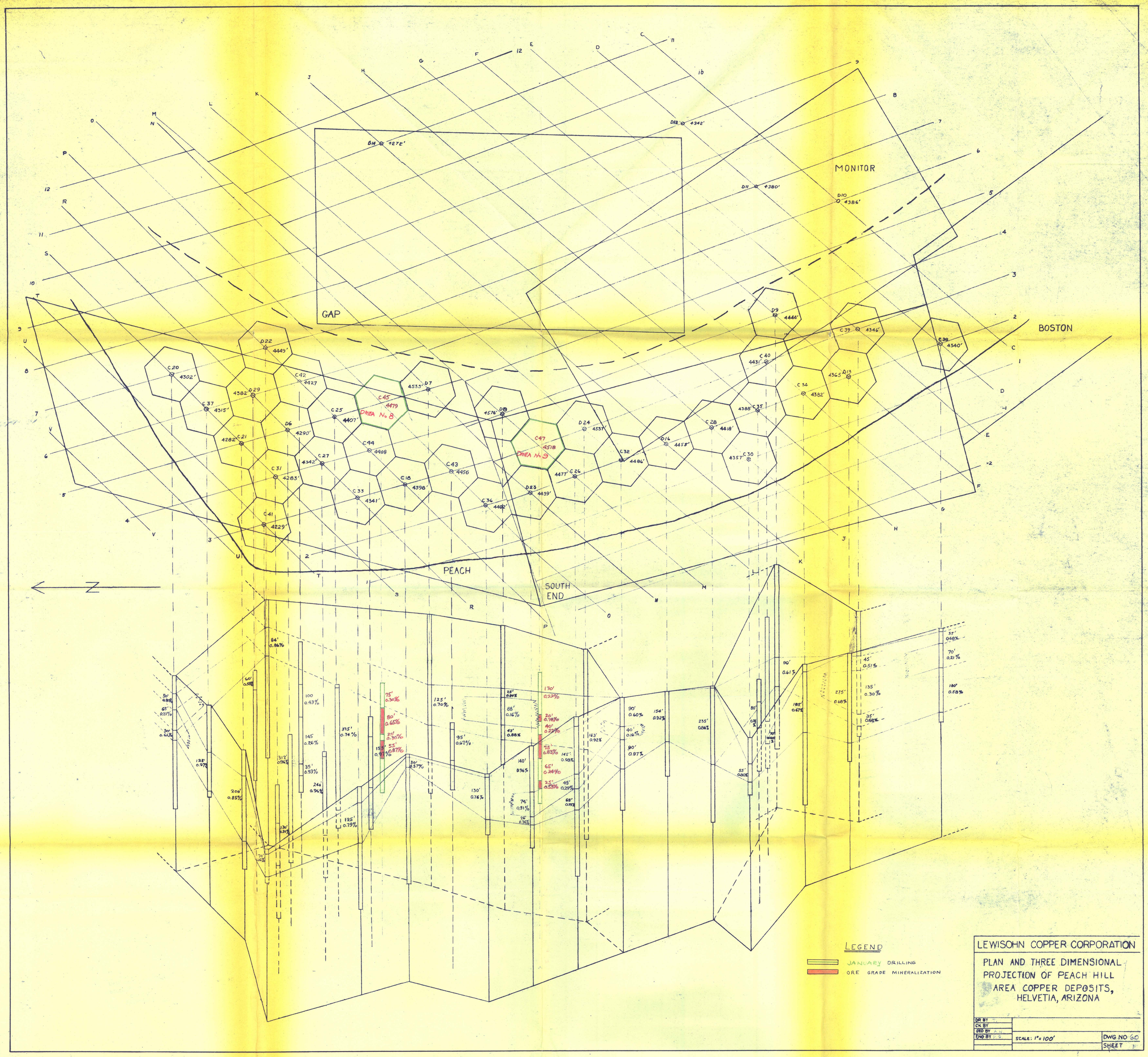


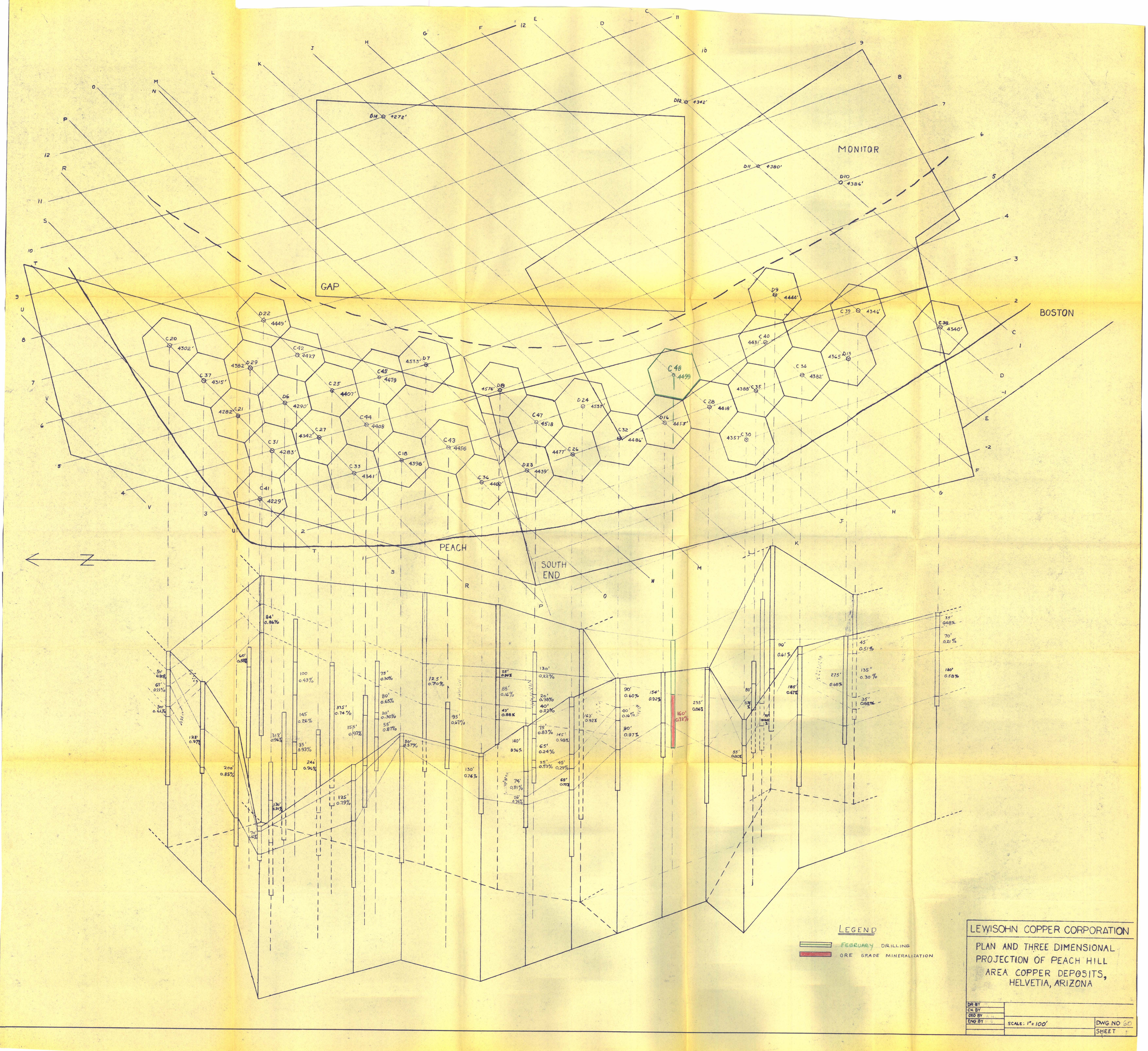

LEWISOHN COPPER CORPORATION

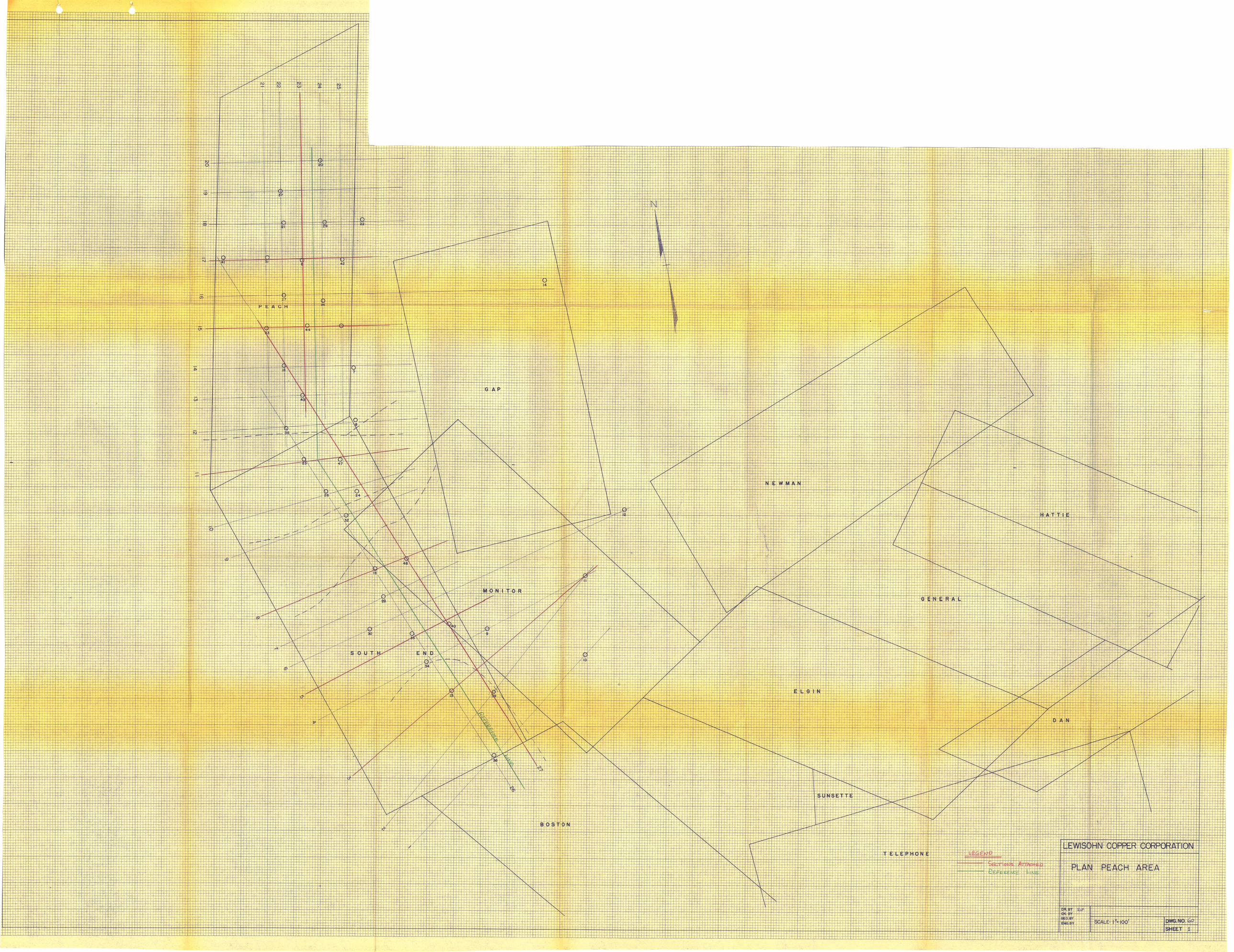
PLAN AND THREE DIMENSIONAL PROJECTION OF PEACH HILL AREA COPPER DEPOSITS, HELVETIA, ARIZONA

| | | |
|---|---|---|
| DR BY | | |
| CK BY | | |
| DED BY | | |
| ENG BY | SCALE: 1" = 100' | DWG NO |
| | | SHEET |

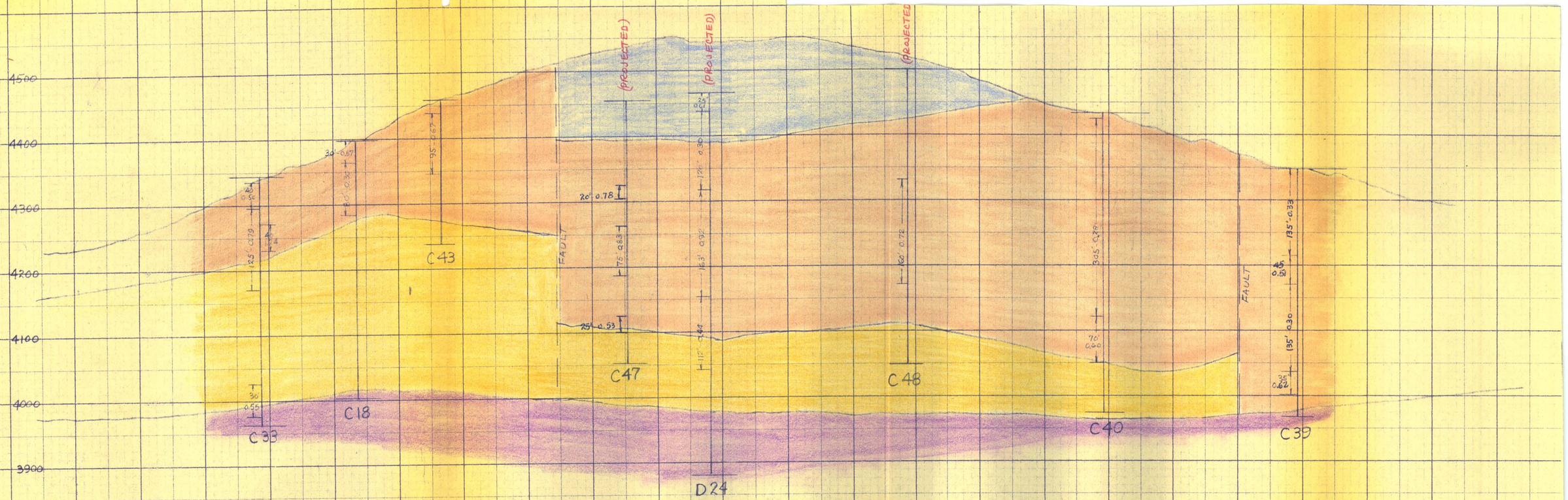

MONITOR
GAP
BOSTON
PEACH
SOUTH END
N
LEGEND
DECEMBER DRILLING
ORE ZONE MINERALIZATION
LEWISOHN COPPER CORPORATION
PLAN AND THREE DIMENSIONAL PROJECTION OF PEACH HILL AREA COPPER DEPOSITS, HELVETIA, ARIZONA
DR BY
CK BY
GEO BY
ENG BY
SCALE: 1" = 100'
DWG NO 60
SHEET 1


GAP
MONITOR
BOSTON
PEACH
SOUTH END
N
LEGEND
JANUARY DRILLING
ORE GRADE MINERALIZATION
LEWISOHN COPPER CORPORATION
PLAN AND THREE DIMENSIONAL PROJECTION OF PEACH HILL AREA COPPER DEPOSITS, HELVETIA, ARIZONA
DR BY
CK BY
GEO BY
ENG BY
SCALE: 1" = 100'
DWG NO 60
SHEET

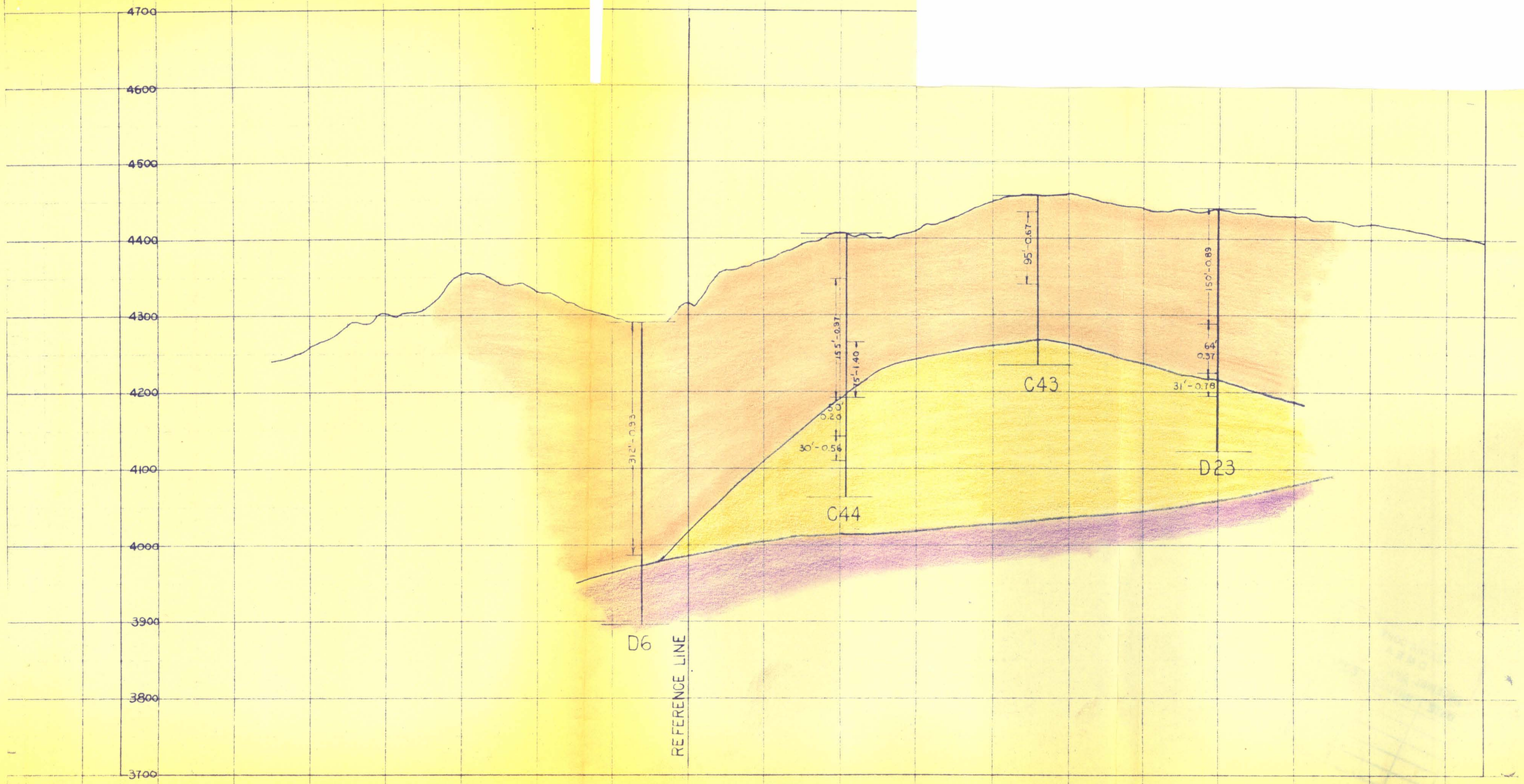

MONITOR
GAP
BOSTON
PEACH
SOUTH END
N
LEGEND
FEBRUARY DRILLING
ORE GRADE MINERALIZATION
LEWISOHN COPPER CORPORATION
PLAN AND THREE DIMENSIONAL PROJECTION OF PEACH HILL AREA COPPER DEPOSITS, HELVETIA, ARIZONA
DR BY
CK BY
GEO BY
ENG BY
SCALE: 1" = 100'
DWG NO 60
SHEET

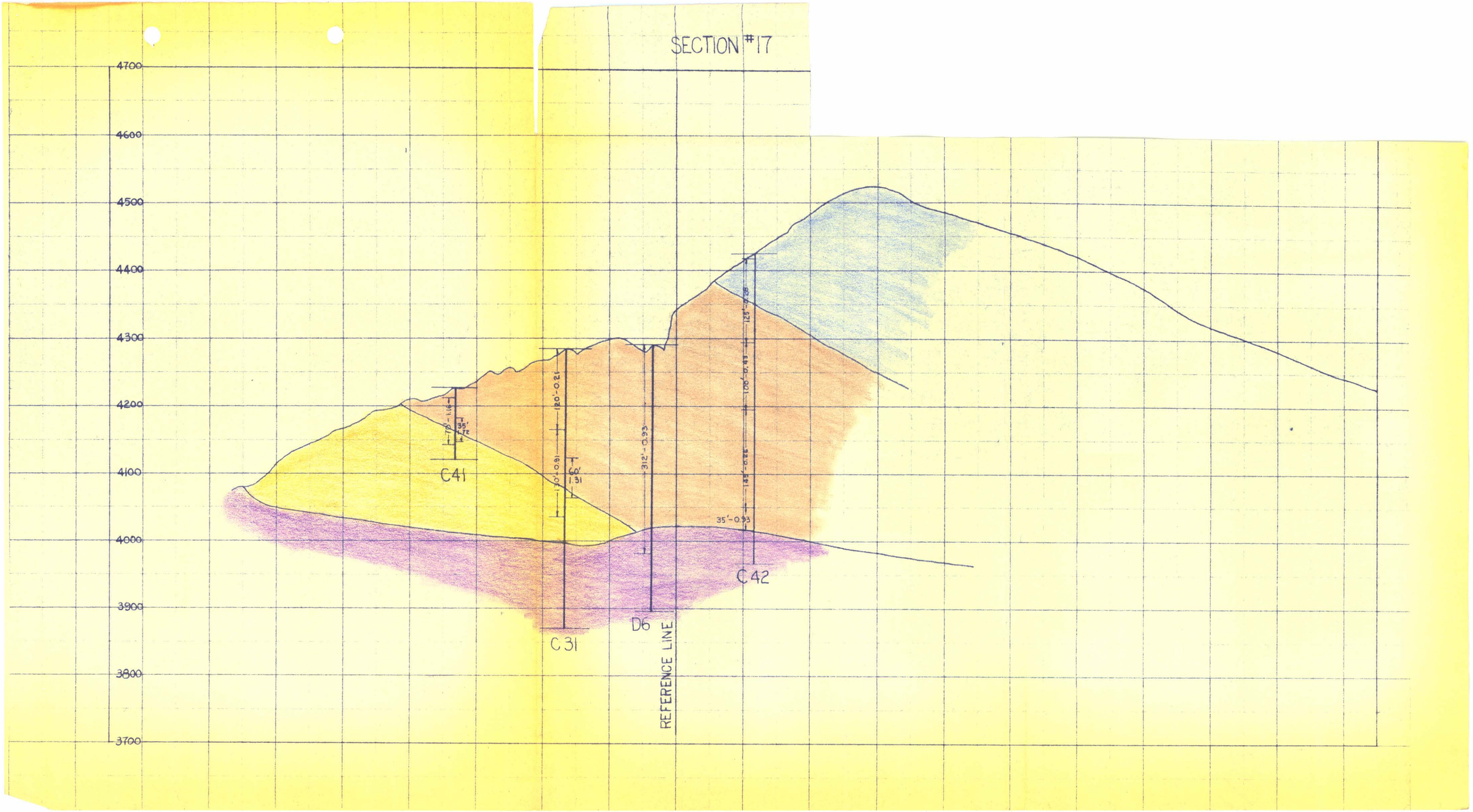

N
PEACH
GAP
NEWMAN
HATTIE
GENERAL
MONITOR
SOUTH END
ELGIN
DAN
SUNSETTE
BOSTON
TELEPHONE
REFERENCE LINE
LEGEND
SECTIONS ATTACHED
REFERENCE LINE
LEWISOHN COPPER CORPORATION
PLAN PEACH AREA
DR. BY
CK. BY
GEO. BY
ENG. BY
SCALE: 1" = 100'
DWG. NO. 60
SHEET 1

SECTION #27

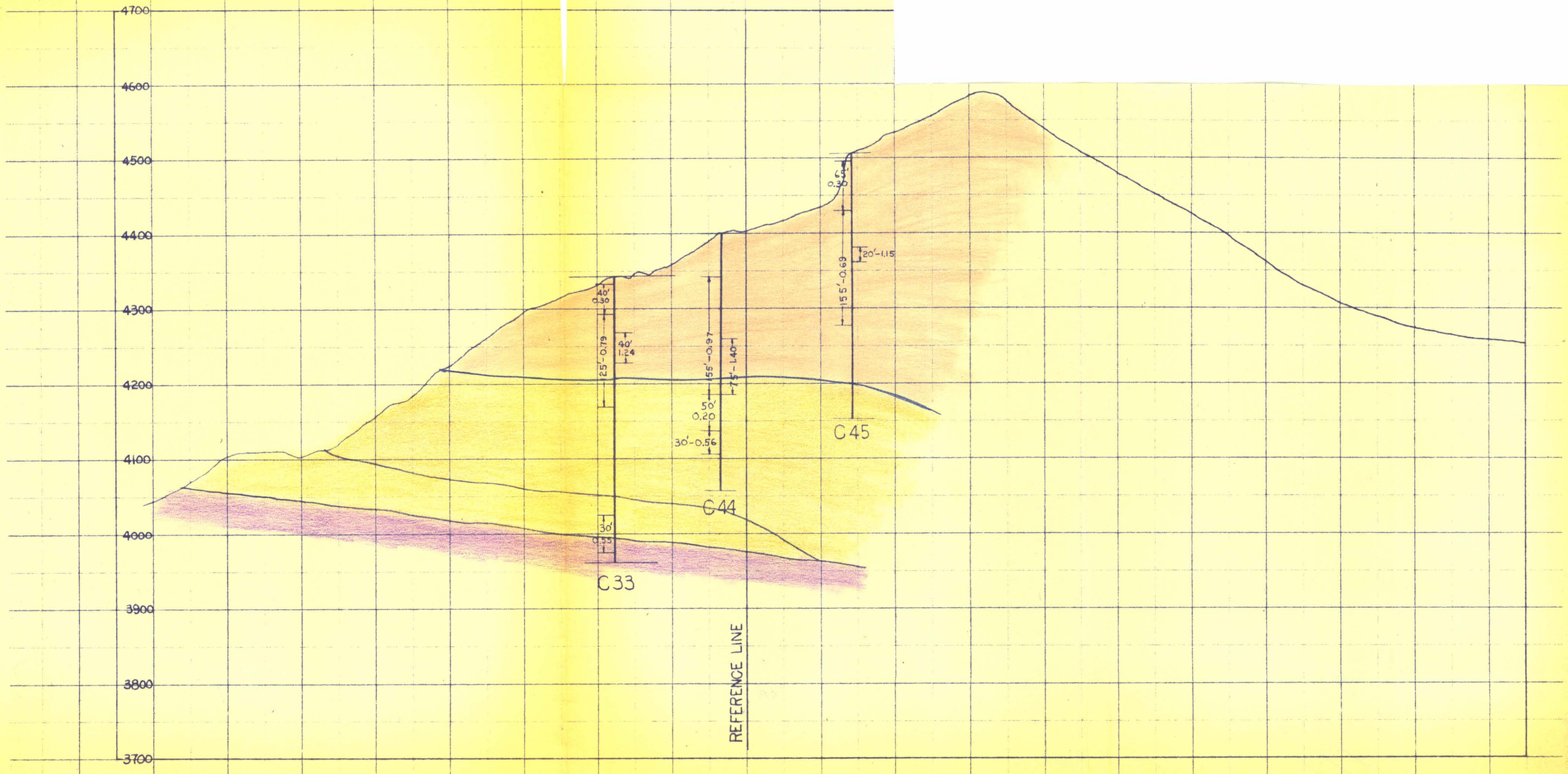

4500
4400
4300
4200
4100
4000
3900
C33
C18
C43
C47
D24
C48
C40
C39
FAULT
FAULT
(PROJECTED)
(PROJECTED)
(PROJECTED)
125' 0.79
30' 0.55
30' 0.57
95' 0.67
20' 0.78
75' 0.83
25' 0.53
170' 0.90
163' 0.92
117' 0.44
60' 0.72
305' 0.99
70' 0.00
135' 0.93
135' 0.30
35' 0.62

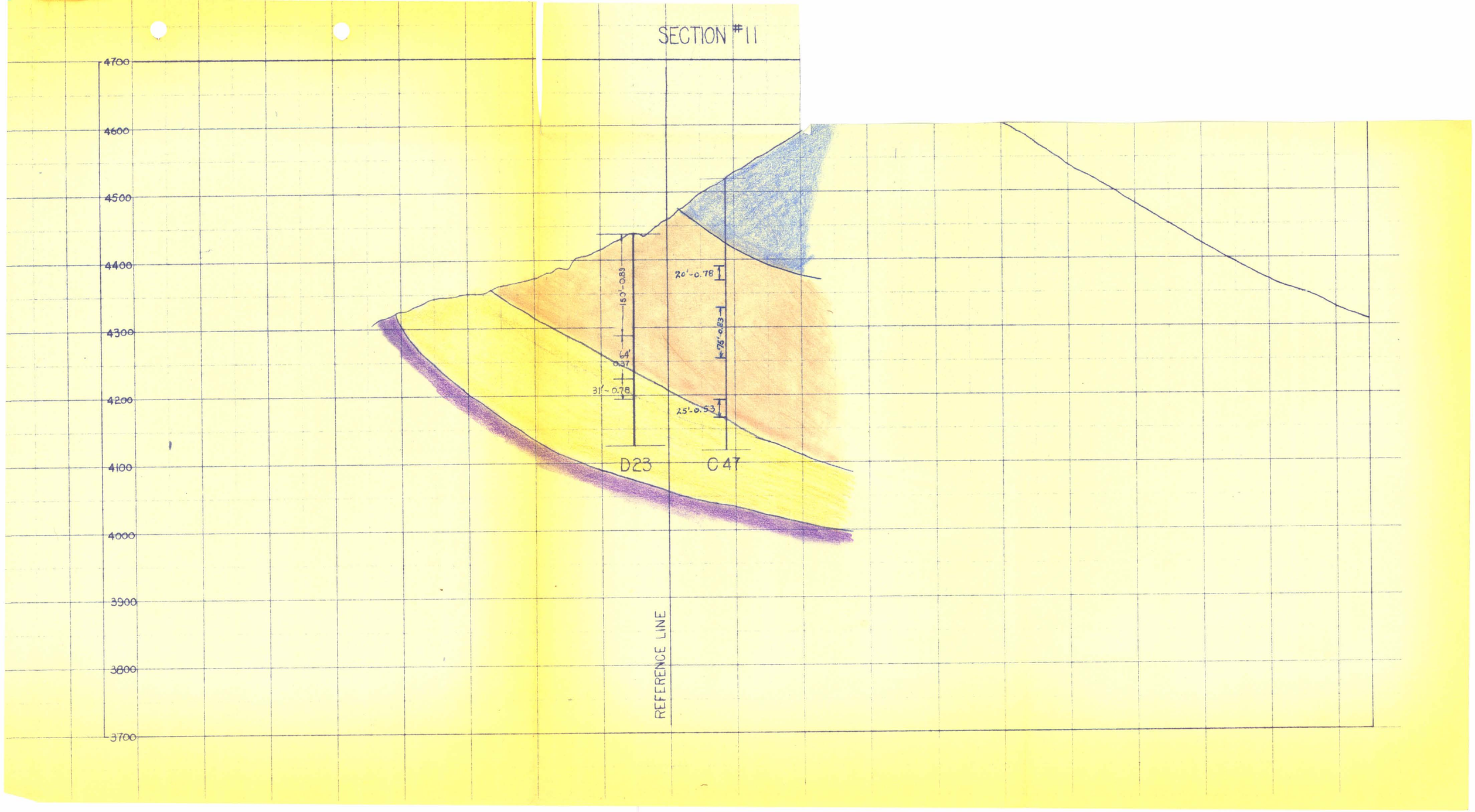
SECTION #23

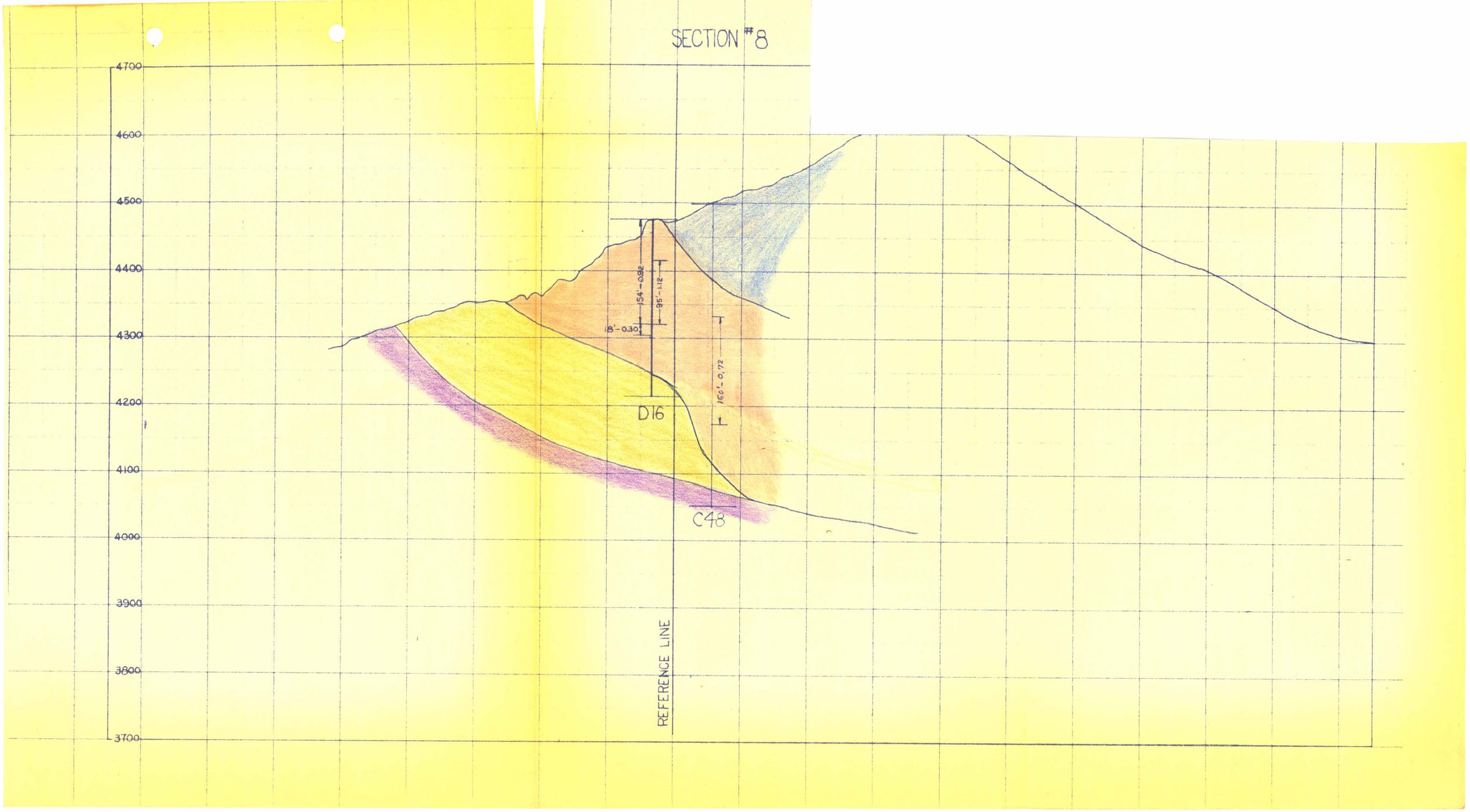

4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
31'-0.93
D6
REFERENCE LINE
15'-0.97
15'-1.40
0.0'
0.20
30'-0.56
C44
95'-0.67
C43
150'-0.89
64'
0.37
31'-0.78
D23

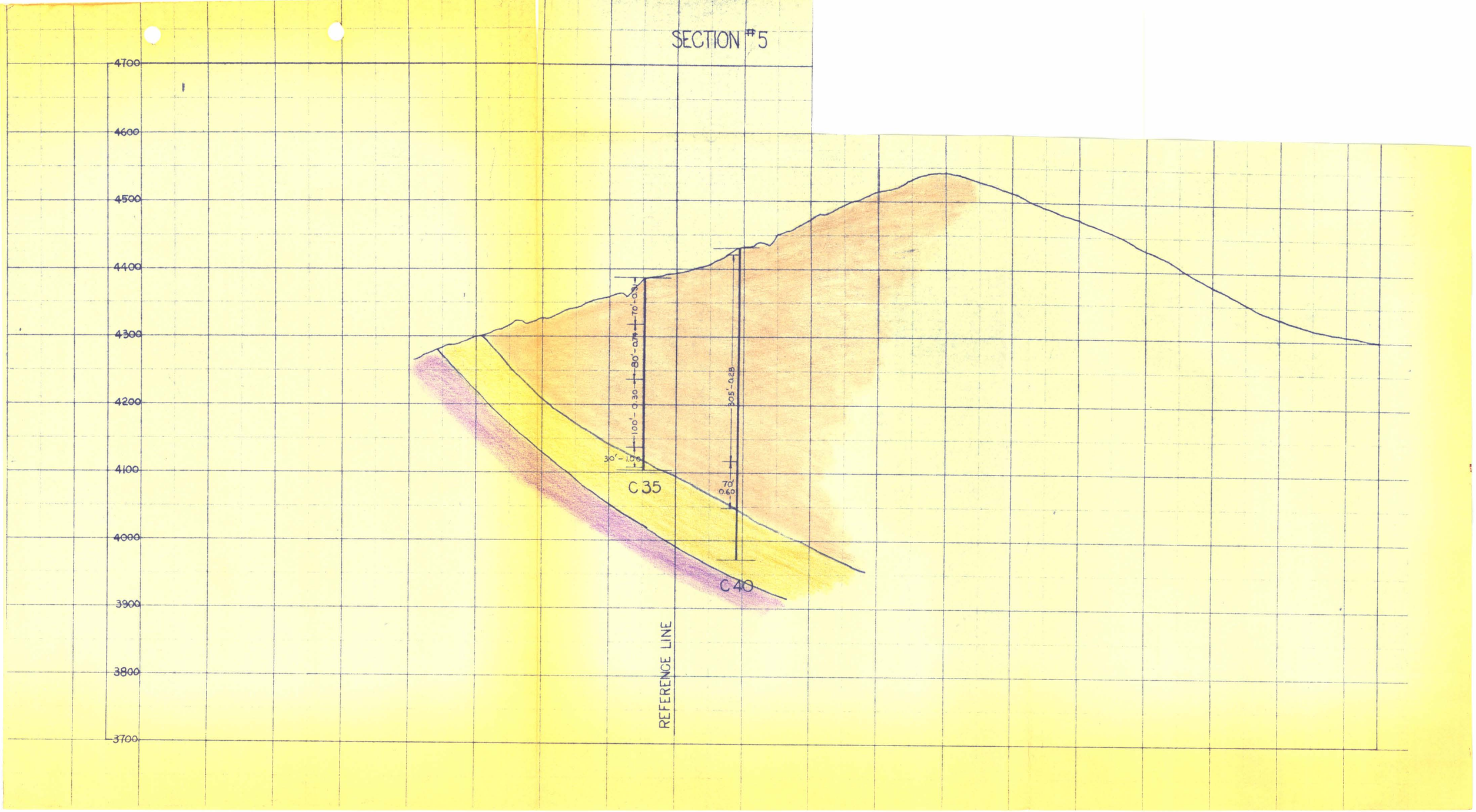

SECTION #17
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
70'-1.16
35'
1.72
C41
120'-0.21
150'-0.91
60'
1.31
C31
312'-0.93
D6
REFERENCE LINE
125'-0.28
100'-0.43
145'-0.26
35'-0.93
C42

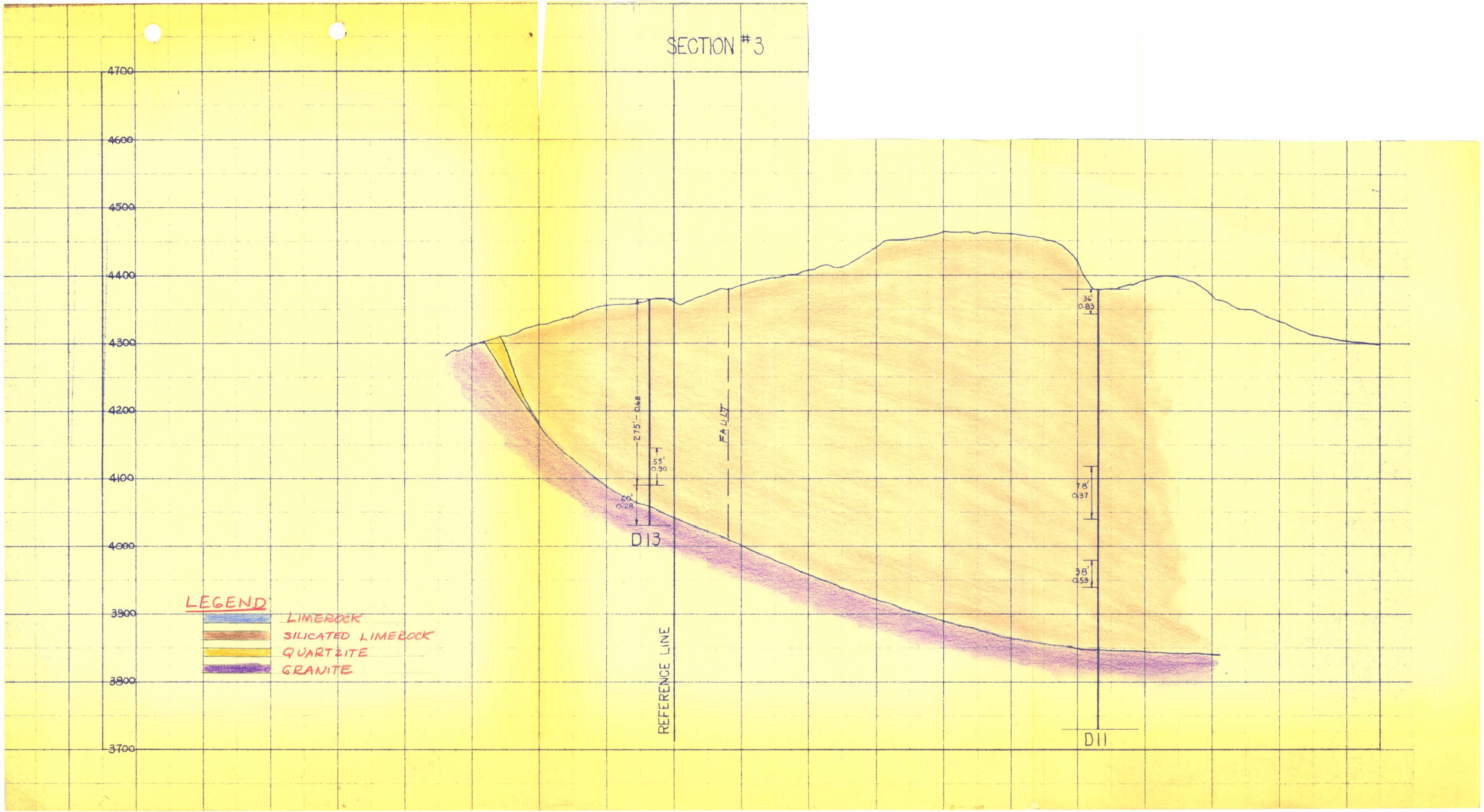
SECTION #15

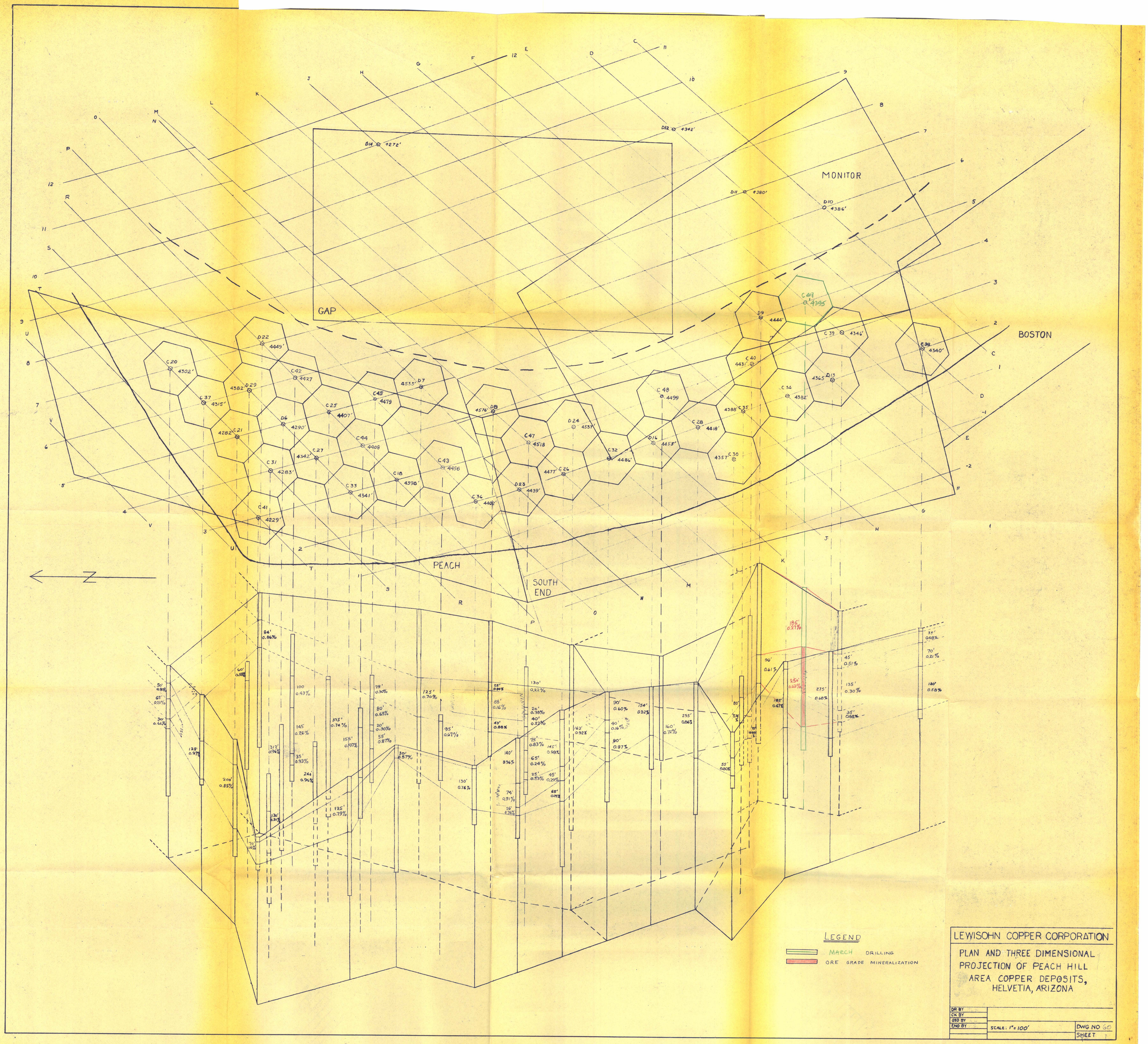

4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
40'
0.30
25'-0.79
40'
1.24
30'
0.55
C33
55'-0.97
75'-1.40
50'
0.20
30'-0.56
C44
20'-1.15
155'-0.69
C45
REFERENCE LINE

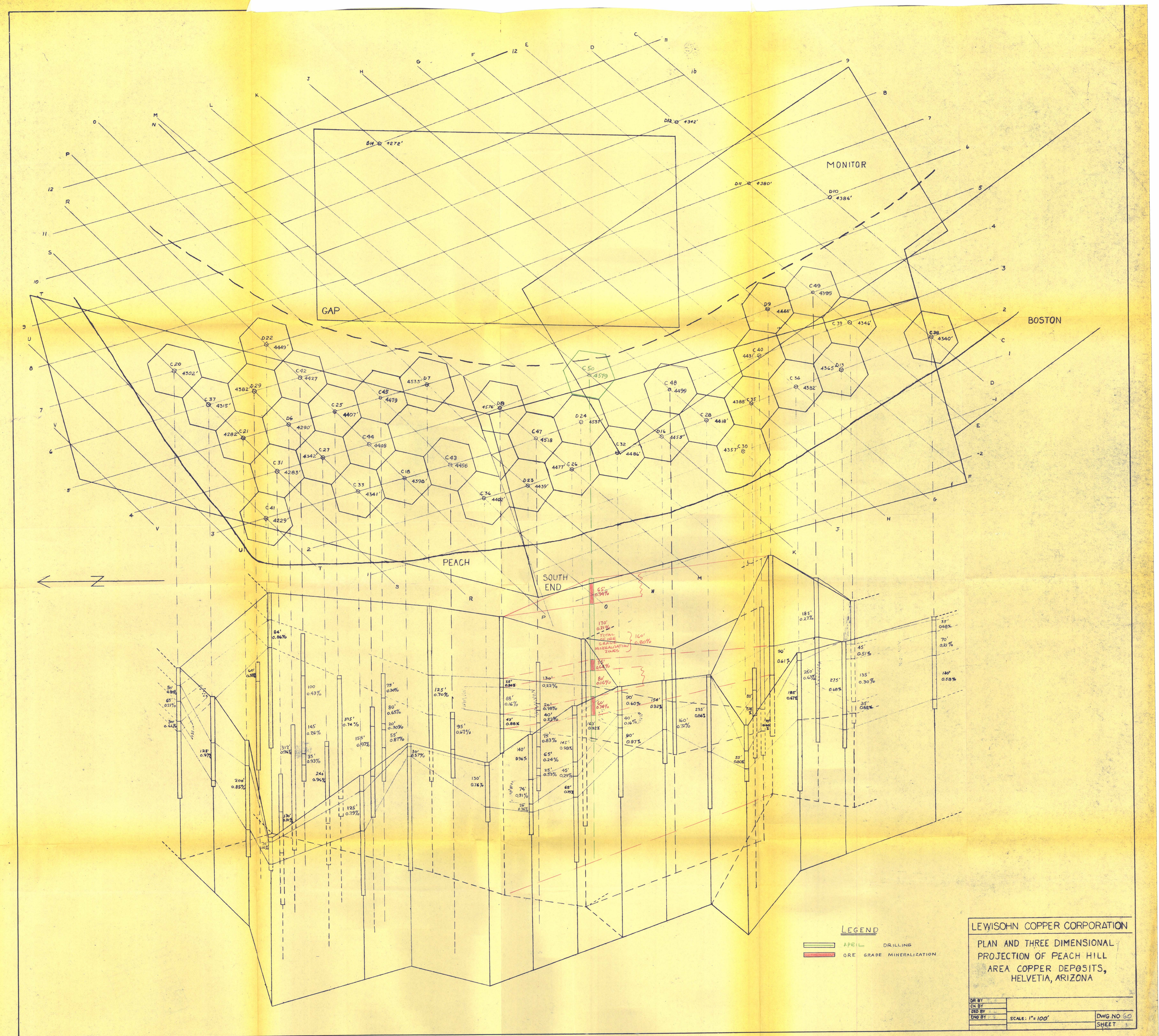

SECTION #11
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
153'-0.83
64'
0.37
31'-0.78
20'-0.78
78'-0.83
25'-0.53
D23
C47
REFERENCE LINE


SECTION #8
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
54'-0.82
95'-1.12
18'-0.30
160'-0.72
D16
C48
REFERENCE LINE


SECTION #5
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
30'-1.00
100'-0.30
80'-0.24
70'-0.21
305'-0.28
70'
0.60
C35
C40
REFERENCE LINE


SECTION #3
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
LEGEND
LIMEROCK
SILICATED LIMEROCK
QUARTZITE
GRANITE
REFERENCE LINE
D13
D11
FAULT
275' - 0.68
55' 0.90
60' 0.28
36' 0.83
78' 0.37
38' 0.53


MONITOR
GAP
BOSTON
PEACH
SOUTH END
N
LEGEND
MARCH DRILLING
ORE GRADE MINERALIZATION
LEWISOHN COPPER CORPORATION
PLAN AND THREE DIMENSIONAL PROJECTION OF PEACH HILL AREA COPPER DEPOSITS, HELVETIA, ARIZONA
DR BY
CK BY
GEO BY
ENG BY
SCALE: 1" = 100'
DWG NO 60
SHEET 1


MONITOR
GAP
BOSTON
PEACH
SOUTH END
N
LEGEND
APRIL DRILLING
ORE GRADE MINERALIZATION
LEWISOHN COPPER CORPORATION
PLAN AND THREE DIMENSIONAL PROJECTION OF PEACH HILL AREA COPPER DEPOSITS, HELVETIA, ARIZONA
DR BY
CK BY
GEO BY
ENG BY
SCALE: 1" = 100'
DWG NO 60
SHEET