



## **CONTACT INFORMATION**

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Arizona Department of Mines and Mineral Resources Mining Collection

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4.  
Bisbee

These specimens are  
now in the ADMR Museum.  
See each K number

816

20.0 X 11.5 X 10.0 cm

K180

12-12-40

\$4.00

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 1, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Cole Mine

Minerals contained Chalcocite Covellite Group \_\_\_\_\_

and Malachite District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 900 Level Location (distance and direction by highway from what town) \_\_\_\_\_

Approximate mineral content ((in terms of average per ton): Bisbee, Arizona

Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Copper \_\_\_\_\_ \$ \_\_\_\_\_ Mine active XXXXXXXXXX

Gold \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Chalcocite Covellite Malachite Notes: A mineral specimen, found in ore.

lb. 79.8% 66.4% 57.3%

oz. \_\_\_\_\_

\_\_\_\_\_ 20.2% 33.6%

\_\_\_\_\_ 19.9%

\_\_\_\_\_ 8.2%

If more space is desired for notes, use other side

416 203

220 X 1109.0 X

X179

\$7.00

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 2, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Campbell

Minerals contained Azurite Group \_\_\_\_\_

District Warren Mining District

Gangue Irony and Silicious Gossan County Cochise

Depth at which taken 1900 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content ((in terms of average per ton): Owner of property Phelps Dodge Corporation

Quantity % Value Operator Copper Queen Branch, Mines Division

Copper \_\_\_\_\_ \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold .01 oz \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver .50 oz \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Azurite \_\_\_\_\_ Notes: A mineral specimen, found in ore.

Cu 53.8%

CO<sub>2</sub> 25.6%

H<sub>2</sub>O 5.2%

If more space is desired for notes, use other side

716455

2107 13.0 x 9.0 cm

K178  
9/1000

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 3, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Campbell

Minerals contained Malachite Group \_\_\_\_\_

District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

\*Depth at which taken 1900 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton):

Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Mine active ~~on 11/1/40~~

If inactive, when operated \_\_\_\_\_

Specimen presented by Phelps Dodge Corporation

Notes: A mineral specimen, found in ore.

Quantity or % Value

Copper \_\_\_\_\_ \$ \_\_\_\_\_

Gold \_\_\_\_\_

Silver \_\_\_\_\_

Malachite \_\_\_\_\_

Cu 57.3%

CO<sub>2</sub> 19.2%

H<sub>2</sub>O 8.2%

If more space is desired for notes, use other side

1/6 20g

10.0 x 6.5 + 6.0 cm

K177  
\$2.00

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 4, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Oxide Ore Name of mine or claim Cole

Minerals contained Cuprite Chalcotricite Group \_\_\_\_\_

and Iron Oxides District Warren Mining District

Gangue Iron Oxide County Cochise

Depth at which taken 1100 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton):

Quantity or % Value Owner of property Phelps Dodge Corporation

Copper 6.0 \$ \_\_\_\_\_ Operator Copper Queen Branch, Mines Division

Gold .01 oz \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Silver 1.00 oz. \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Cuprite Chalcotricite Specimen presented by Phelps Dodge Corporation

88.8% 88.8% Notes: \_\_\_\_\_

11.2% 11.2% \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ If more space is desired for notes, use other side

116 140g

9.5 x 9.5 x 5.0 cm

K176

7420

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 5, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Campbell

Minerals contained Bornite and small Group \_\_\_\_\_

amounts of Chalcopyrite District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 2200 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton):  
Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Quantity or % Value Mine active ~~XXXXXXXXXX~~

Copper \_\_\_\_\_ \$ \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Gold .02 oz \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Silver 2.00 oz \_\_\_\_\_ Notes: A mineral specimen, found in ore.

Bornite \_\_\_\_\_

Cu 63.3% \_\_\_\_\_

S 25.6% \_\_\_\_\_

Fe 11.1% \_\_\_\_\_

If more space is desired for notes, use other side

816 12 20.0 x 13.0 x 8.0 cm

K 185  
\$7.00

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 6, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Campbell

Minerals contained Bornite and Group \_\_\_\_\_

Chalcopyrite District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 2000 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Copper \_\_\_\_\_ \$ \_\_\_\_\_ Mine active ~~or inactive~~ \_\_\_\_\_

Gold \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Bornite Chalcopyrite Notes: A mineral specimen, found in ore.

Cu 63.3 34.5

S 25.6 35.0

Fe 11.1 30.5

If more space is desired for notes, use other side

1 lb 14 oz 8.5 X 8.0 X 2.5 cm K 183 3.00  
 12 oz 70 X 6.5 X 25.0 cm K 184 2.00

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 7, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
 (Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Campbell

Minerals contained Cerussite Group \_\_\_\_\_

District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 1800 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Copper \_\_\_\_\_ \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Cerussite Notes: A mineral specimen, found in ore.

PbO 83.5

CO<sub>2</sub> 16.5

If more space is desired for notes, use other side

316 8.9g

16.0 x 14.0 x 4.0 cm

K186

\$200

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 8, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Sulphide Ore

Name of mine or claim Junction

Minerals contained Dense fine grained

Group \_\_\_\_\_

Satiny pyrite and Chalcopyrite & Bornite

District Warren Mining District

Gangue \_\_\_\_\_

County Cochise

Depth at which taken 1800 Level

Location (distance and direction by highway from what town) \_\_\_\_\_

Approximate mineral content (in terms of average per ton):

Bisbee, Arizona

Owner of property Phelps Dodge Corporation

Quantity or %

Value

Operator Copper Queen Branch, Mines Division

Copper 5.5

\$ \_\_\_\_\_

Mine active ~~XXXXXXXXXX~~

Gold .03

If inactive, when operated \_\_\_\_\_

Silver 2.00

Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

If more space is desired for notes, use other side

20 16

31.0 x 25.0 x 12.0 cm

K 182

\$ 30.00

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 9, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Junction

Minerals contained Native Copper Group \_\_\_\_\_

District Warren Mining District

Gangue Kaolin iron stained County Cochise

Depth at which taken 2100 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Quantity or % Value Mine active ~~XXXXXXXXXX~~

Copper \_\_\_\_\_ \$ \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Gold \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Silver \_\_\_\_\_ Notes: A mineral specimen, found in ore.

Native Copper \_\_\_\_\_

100 % \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If more space is desired for notes, use other side

Cu

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 10, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
 (Wrap each specimen, or place in a substantial bag, separately, with a number  
 identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Campbell

Minerals contained Chalcopyrite Group \_\_\_\_\_

District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 1600 Level Location (distance and direction by highway  
 from what town) Bisbee, Arizona

Approximate mineral content (in terms of  
 average per ton):

Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Mine active ~~XXXXXXXXXX~~ \_\_\_\_\_

If inactive, when operated \_\_\_\_\_

Specimen presented by Phelps Dodge Corporation

Notes: A mineral specimen, found in ore.

Quantity or %	Value
Copper _____	\$ _____
Gold _____	_____
Silver _____	_____
<u>Chalcopyrite</u>	_____
<u>34.5</u>	_____
<u>35.0</u>	_____
<u>30.5</u>	_____

If more space is desired for notes, use  
 other side



MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 12, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
 (Wrap each specimen, or place in a substantial bag, separately, with a number  
 identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Campbell

Minerals contained Sphalerite Group \_\_\_\_\_

District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 1900 Level Location (distance and direction by highway  
 from what town) Bisbee, Arizona

Approximate mineral content (in terms of  
 average per ton):

Owner of property Phelps Dodge Corporation

Quantity or %

Value

Operator Copper Queen Branch, Mines Division

Copper \_\_\_\_\_ \$ \_\_\_\_\_

Mine active ~~XXXXXXXXXX~~

Gold \_\_\_\_\_

If inactive, when operated \_\_\_\_\_

Silver \_\_\_\_\_

Specimen presented by Phelps Dodge Corporation

Sphalerite

Notes: A mineral specimen, found in ore

67 %

33 %

If more space is desired for notes, use  
 other side

415

20.0 x 18.0 x 7.0 cm

K193

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 13, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Oxide Ore Name of mine or claim Cole

Minerals contained Malachite, Azurite Group \_\_\_\_\_

District Warren Mining District

Gangue Kaolinized ls and Silica County Cochise

Depth at which taken 800 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Quantity or % Value Operator Copper Queen Branch, Mines Division

Copper 5.0 % \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold .01 oz \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver .70 oz \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

If more space is desired for notes, use other side



116 803

14.0 x 12.0 x 8.0 cm

K189

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 15, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Oxide Ore Name of mine or claim Cole

Minerals contained Azurite Group \_\_\_\_\_

District Warren Mining District

Gangue Kaolinized limestone County Cochise

Depth at which taken 1100 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Quantity or % Value Operator Copper Queen Branch, Mines Division

Copper 5.0 \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold 0.01 \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver 1.50 \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If more space is desired for notes, use other side

615

19.0 x 11.0 x 1.0 cm

K188

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 16, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Oxide Ore Name of mine or claim Campbell

Minerals contained Azurite and Malachite Group \_\_\_\_\_

District Warren Mining District

Gangue Iron Oxide County Cochise

Depth at which taken 2000 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Quantity or % Value Operator Copper Queen Branch, Mines Division

Copper 5.0 % \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~ \_\_\_\_\_

Gold .01 oz \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver .80 oz \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If more space is desired for notes, use other side

B16 803

15.0 x 15.0 x 7.0 cm K190

116 803

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

191

12.5 x 10.0 x 6.0 cm

Specimen No. 17, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Briggs

Minerals contained Delafossite Group

District Warren Mining District

Gangue Iron Oxide County Cochise

Location (distance and direction by highway from what town) Bisbee, Arizona

Depth at which taken 1500 Level

Approximate mineral content (in terms of average per ton):

Owner of property Phelps Dodge Corporation

Quantity or % Value

Operator Copper Queen Branch, Mines Division

Copper \$

Mine active ~~XXXXXXXXXX~~

Gold

If inactive, when operated

Silver

Specimen presented by Phelps Dodge Corporation

Delafossite

Notes: A mineral specimen, found in ore.

Cu<sub>2</sub>O Fe<sub>2</sub>O<sub>3</sub>

If more space is desired for notes, use other side



916102

19.0 X 13.0 X 12.0

K199

6000

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 19, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Junction

Minerals contained Covellite Group \_\_\_\_\_

District Warren Mining District

Gangue Limestone altered to Kaolinite County Cochise

Depth at which taken 1900 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Mine active ~~XXXXXXXXXX~~

If inactive, when operated \_\_\_\_\_

Specimen presented by Phelps Dodge Corporation

Notes: A mineral specimen, found in ore

Quantity or % Value

Copper \_\_\_\_\_ \$ \_\_\_\_\_

Gold \_\_\_\_\_

Silver \_\_\_\_\_

Covellite

66.4

33.6

If more space is desired for notes, use other side

516 8g

13.0 x 10.0 x 2.0 cm K198

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 20, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Zinc - Lead Name of mine or claim Campbell

Minerals contained Sphalerite Group \_\_\_\_\_

Galena & small amounts Pyrite District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 2000 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): about equal parts Owner of property Phelps Dodge Corporation

Quantity or % Value Operator Copper Queen Branch, Mines Division

Copper \_\_\_\_\_ \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Sphalerite Galena Notes: \_\_\_\_\_

Zn 67 %

Pb 86.6 %

S 33 % 13.4 %

If more space is desired for notes, use other side

616

16.0 x 14.0 x 0.0 cm.

K197

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 21, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Porphyry Ore Name of mine or claim Sacramento

Minerals contained Pyrite, Chalcocite Group \_\_\_\_\_

Chalcopyrite, Silica and Sericite District Warren Mining District

Gangue Silicified Porphyry County Cochise

Depth at which taken 1000 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Quantity or % Value Operator Copper Queen Branch, Mines Division

Copper 2.1 \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold .00 oz \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver .50 oz \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

If more space is desired for notes, use other side

3 lb 14 oz

17.0 x 9.5 x 9.5 cm K196

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 22, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore \_\_\_\_\_ Name of mine or claim Campbell

Minerals contained Pyrite Group \_\_\_\_\_

Coarse grained District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 1800 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Mine active ~~XXXXXXXXXX~~

If inactive, when operated \_\_\_\_\_

Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If more space is desired for notes, use other side

Quantity or %	Value
Copper -	\$ _____
Gold -	_____
Silver -	_____
<u>Pyrite</u>	_____
<u>46.6</u>	_____
<u>53.4</u>	_____
_____	_____
_____	_____

11614 og

12.5 x 11.0 x 10.0 cm

K181  
\$35.00

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 23, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Mineral Specimen Name of mine or claim Sacramento

Minerals contained Azurite crystals on Group \_\_\_\_\_

Siderite District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 1400 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content ((in terms of average per ton): Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Copper \_\_\_\_\_ \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Notes: A mineral specimen, found in ore

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If more space is desired for notes, use other side

316.8 g

18.0 x 10.0 x 7.0 cm K195

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 24, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Oxide Name of mine or claim Campbell

Minerals contained Native Copper, Group \_\_\_\_\_

Cuprite, Chalcotricite District Warren Mining District

Gangue Iron Oxide - Gossan County Cochise

Depth at which taken 2000 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content ((in terms of average per ton):  
Owner of property Phelps Dodge Corporation

Operator Copper Queen Branch, Mines Division

Quantity or % Value Mine active ~~XXXXXXXXXX~~

Copper 4.8 % \$ \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Gold .01 oz \_\_\_\_\_

Silver .70 oz \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ If more space is desired for notes, use other side

816 9oz 14.0 x 11.0 x 7.0 cm

K200

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 25, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore \_\_\_\_\_ Name of mine or claim Junction

Minerals contained Pyrite Group \_\_\_\_\_

Fine grained District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 1900 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content ((in terms of average per ton): Owner of property Phelps Dodge Corporation

Quantity or % Value Operator Copper Queen Branch, Mines Division

Copper - \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold - \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver - \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Pyrite Notes: \_\_\_\_\_

46.6 \_\_\_\_\_

53.4 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ If more space is desired for notes, use other side

Fe

S

616 4g

17.0 x 12.0 x 10.0 cm K20-1

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

Specimen No. 26, collected by Copper Queen Branch, Mines Division Date November 1, 1940  
(Wrap each specimen, or place in a substantial bag, separately, with a number identical with the number on this card)

Name of ore Sulphide Ore Name of mine or claim Junction

Minerals contained Chalcopyrite and Group \_\_\_\_\_

Fine grained Pyrite District Warren Mining District

Gangue \_\_\_\_\_ County Cochise

Depth at which taken 1900 Level Location (distance and direction by highway from what town) Bisbee, Arizona

Approximate mineral content (in terms of average per ton): Owner of property Phelps Dodge Corporation

Quantity or % Value Operator Copper Queen Branch, Mines Division

Copper 4.0 \$ \_\_\_\_\_ Mine active ~~XXXXXXXXXX~~

Gold .04 \_\_\_\_\_ If inactive, when operated \_\_\_\_\_

Silver 1.60 \_\_\_\_\_ Specimen presented by Phelps Dodge Corporation

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

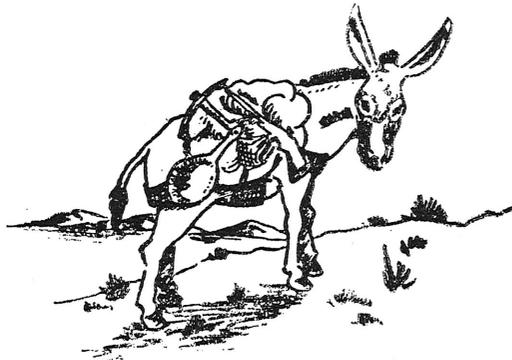
\_\_\_\_\_

If more space is desired for notes, use other side

*attended*

**Charles E. "Chuck" Eads**

MAYOR  
CITY OF BISBEE



OFFICE OF THE MAYOR  
118 ARIZONA STREET  
BISBEE, ARIZONA 85603  
(602) 432-5446

BUSINESS TELEPHONE  
(602) 432-4121

January 18, 1978

John Jett  
19th & McDowell  
Phoenix, Arizona

Dear Mr. Jett:

You are cordially invited to attend the Grand Opening of the Queen Underground Copper Mine on February 1, 1978, at the hour of 10:30 A.M.

This tour was developed through an Economic Development Administration Title IX Implementation Grant, along with restoration of the Bisbee Mining and Historical Museum, Old City Park, and several other projects, to aid the City of Bisbee in the development of tourism. Bisbee, nestled in the hills of Southeastern Arizona, was threatened with extinction when the Phelps Dodge Corporation closed its copper mines in 1974. Our citizens determined they would fight hard for existence. This grant and the resulting tourism have aided not only Bisbee, but Cochise County and Southeastern Arizona.

The festivities will include a ribbon cutting ceremony, barbeque with trimmings, Western band, hard-rock drilling contest, and tours of both the Lavender Open Pit Mine and the Queen Underground Copper Mine, the only authentic underground copper mine tour offered in the United States.

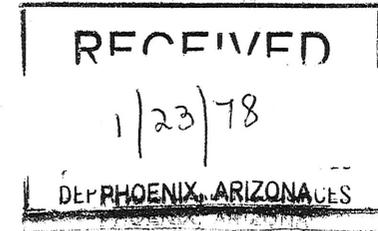
You will be guests of the City. Tickets to all events are included and if you wish to bring additional guests we will be happy to furnish more tickets. If we can be of service to you by arranging accommodations please let us know.

We look forward to seeing you join us for a wonderful day in Bisbee.

Sincerely,  
*Chuck Eads*  
CHARLES E. "CHUCK" EADS, Mayor

R.S.V.P.

*Copper Queen Mine File*



*The cool 47° Queen*

# QUEEN MINE



**BISBEE**— a name to stir the interest of mining men everywhere — has been one of the greatest copper camps the world has ever known.

In 95 years of continuous production before the last underground mining closed in June 1975, the Bisbee mines produced metals valued at \$6.1 billion (at 1975 prices), one of the largest production valuations of all the mining districts in the world.

This staggering amount of wealth came from the estimated production of 8,032,352,000 pounds of copper, 2,871,786 ounces of gold, 77,162,986 ounces of silver, 304,627,600 pounds of lead and 371,945,900 pounds of zinc!

Today's Copper Queen Mine Tour takes visitors deep into the old workings of the world-famous Copper Queen Mine where great tonnages of extremely rich copper ore was mined in the early days, catching attention of the mining industry around the world as one of the greatest treasure-troves of copper ever discovered.

Taking the Copper Queen Mine Tour is to step back through the pages of history into the 19th Century when a melting pot of immigrant miners from the old mining districts of Europe labored beneath the Mule Mountains to bring forth a torrent of red metal to feed the insatiable demand for copper as the electrical age changed America, and the world, from a predominantly rural society to the industrial age, bringing with it the highest standard of living the world has ever known.

The story of Bisbee began in the late 1870s when a Lt. Dunn, in charge of a cavalry detail from the frontier Army post of Fort Huachuca, was out on a scouting mission against the Apache Indians.

As the day drew to a close, Lt. Dunn and his men headed for a spring in the Mule Mountains to camp for the night. The party camped on a spot of fairly flat ground in the canyon below the spring—a site now occupied by downtown Bisbee and but several hundred yards from the beginning of today's Mine Tour.

Walking and looking around after supper, Lt. Dunn picked up an interesting piece of rock. It was exceptionally heavy and he recognized it as high-grade silver ore. He found a few more pieces along the slope of the south wall of the canyon.

Unable to do anything about it because of military duties, Dunn took a prospector by the name of George Warren into his confidence and struck up a

(continued on last page)

deal by which Warren would locate claims and work the property with Dunn as co-locator and partner.

But on his way to the site revealed by Dunn, Warren stopped to visit some friends and spend some time with his favorite avocation—whiskey drinking. The upshot of it was that he soon had some new partners and they went together to what later became known as Tombstone Canyon and located a group of claims—with Dunn left out of the deal. When Dunn came along later to check, he was on the outside looking in.

It is a long and involved story, one worth a book itself, but production began on a limited basis about 1880. Individuals and then companies with capital gradually became involved and took over properties and brought them into production. Phelps Dodge Corporation through a subsidiary, the Copper Queen Consolidated Mining Company, became the dominant force and eventually the sole operator in this old mining camp. Building on its base in Bisbee, Phelps Dodge has long been the second largest domestic copper producer in the United States.

Although the Lavender open pit mine closed in late 1974 and the underground mines in the summer of 1975, Bisbee is still producing several thousand tons of copper annually. Using the leaching system by which nearly pure copper is extracted chemically from low-grade mineralized rock in the dumps and underground, Phelps Dodge keeps Bisbee an active producer of copper. It expects to continue doing so for many years to come.

The Copper Queen Mine Tour, made possible through the cooperation of the City of Bisbee and Phelps Dodge, is the largest, most complete and most authentic mine tour in the United States. We hope you enjoy your visit and brief journey back through the pages of time.

### **THE QUEEN MINE TOUR**

In February 1975, Bisbee Mayor Chuck Eads, with the enthusiastic and generous cooperation of Phelps Dodge Corporation, brought to reality the idea of opening a mine tour through a portion of the world-famous Copper Queen Mine. Since it was known that mining operations in Bisbee were to soon be closed, Mayor Eads felt that history of mining should be kept alive in Bisbee and in a manner that would attract tourists to the community.

Under the direction of Mayor Eads, many faithful volunteers cleared thousands of tons of fallen rock and retimbered the old workings. They were assisted by local individuals and groups who furnished support and food for the workers.

All this local effort came to the attention of a federal agency, the Economic Development Administration, which approved a large grant to the City of Bisbee to help the mine tour project and other improvements in downtown Bisbee designed to aid the tourist business.

The Queen Mine Tour was officially opened to visitors on February 1, 1976. By late 1977, more than 40,000 visitors had toured the Copper Queen Mine. They came from all 50 states and more than 30 foreign countries.

### **VISITOR INFORMATION**

The Queen is a level, walk-in tour, except for a 30-foot rise leading to a stope where a large body of ore was mined out.

The Queen has natural ventilation due to the many drifts and shafts throughout the area. The average temperature is 47 degrees, so visitors are advised to bring a sweater or jacket—even in summer. The Mine Tour furnishes a slicker to protect clothing from occasional drops of water, a hard-hat and a battery-pack light.

Usually, visitors walk into the mountain for approximately 1,800 feet and ride out on an underground mine train pulled by a battery-powered electric locomotive. Sometimes, visitors ride both in and out on the train.

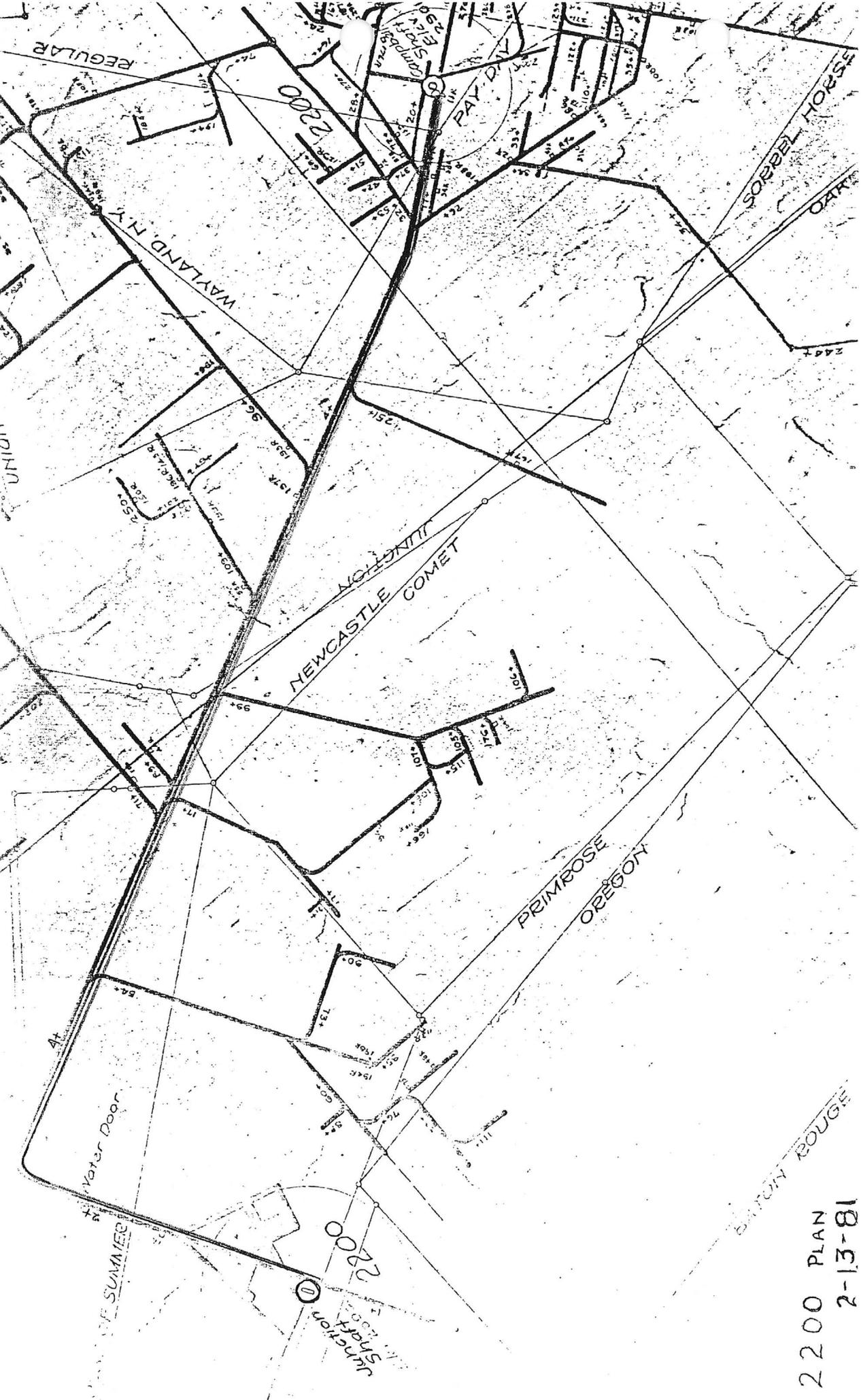
The Queen Mine is authentic, is not commercialized in any way, and we ask that you follow your guide's instructions. The guides are all experienced miners, having worked in the local mines for many years, and assure you a safe tour set against a background of factual information.

You are going into a real copper mine. Insofar as we know, it is the only tour into a major, authentic copper mine in the United States and possibly the only one in the world open to the general public.



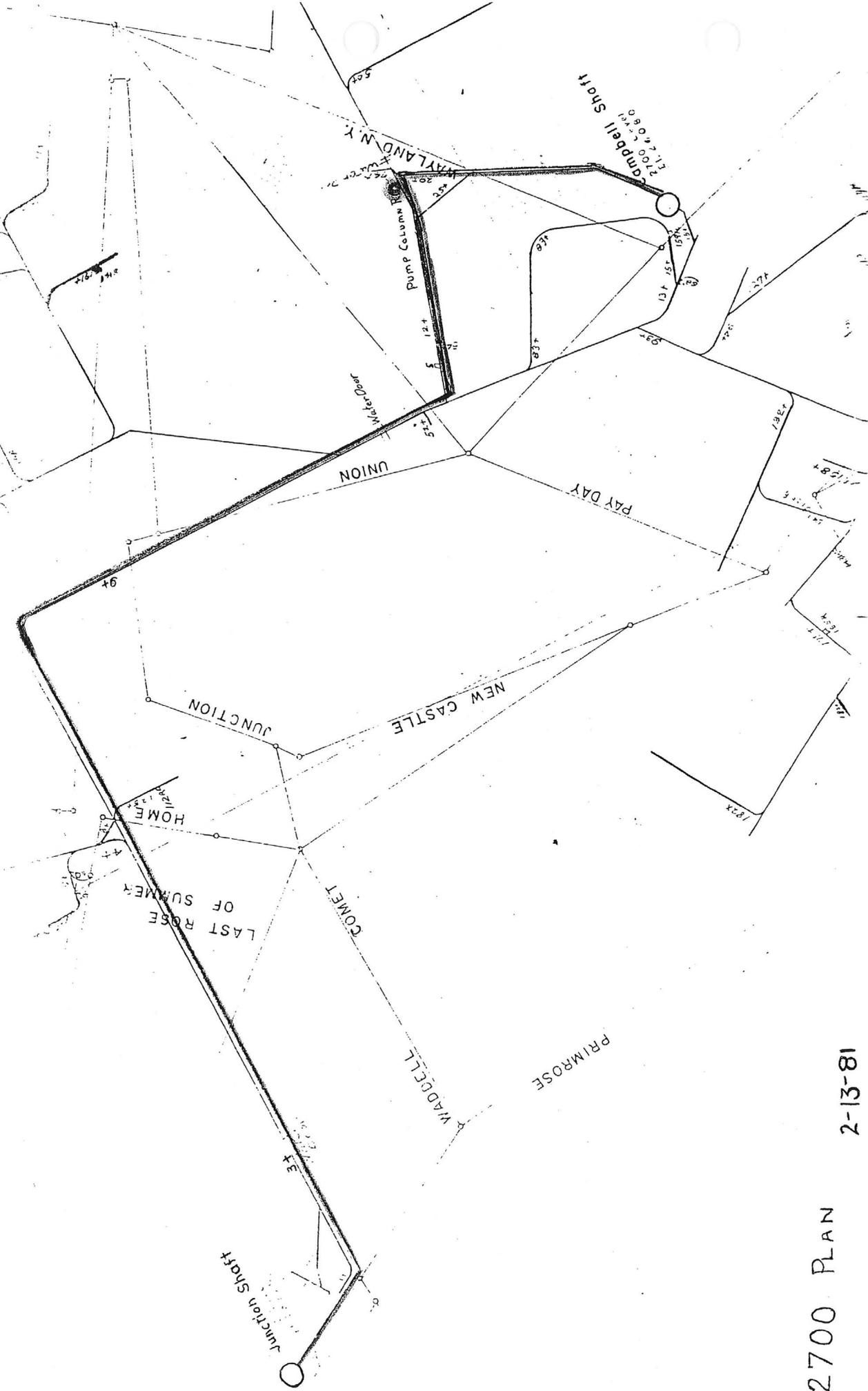
1800 PLAN  
2-13-81

Copper Queen lots



2200 PLAN  
2-13-81

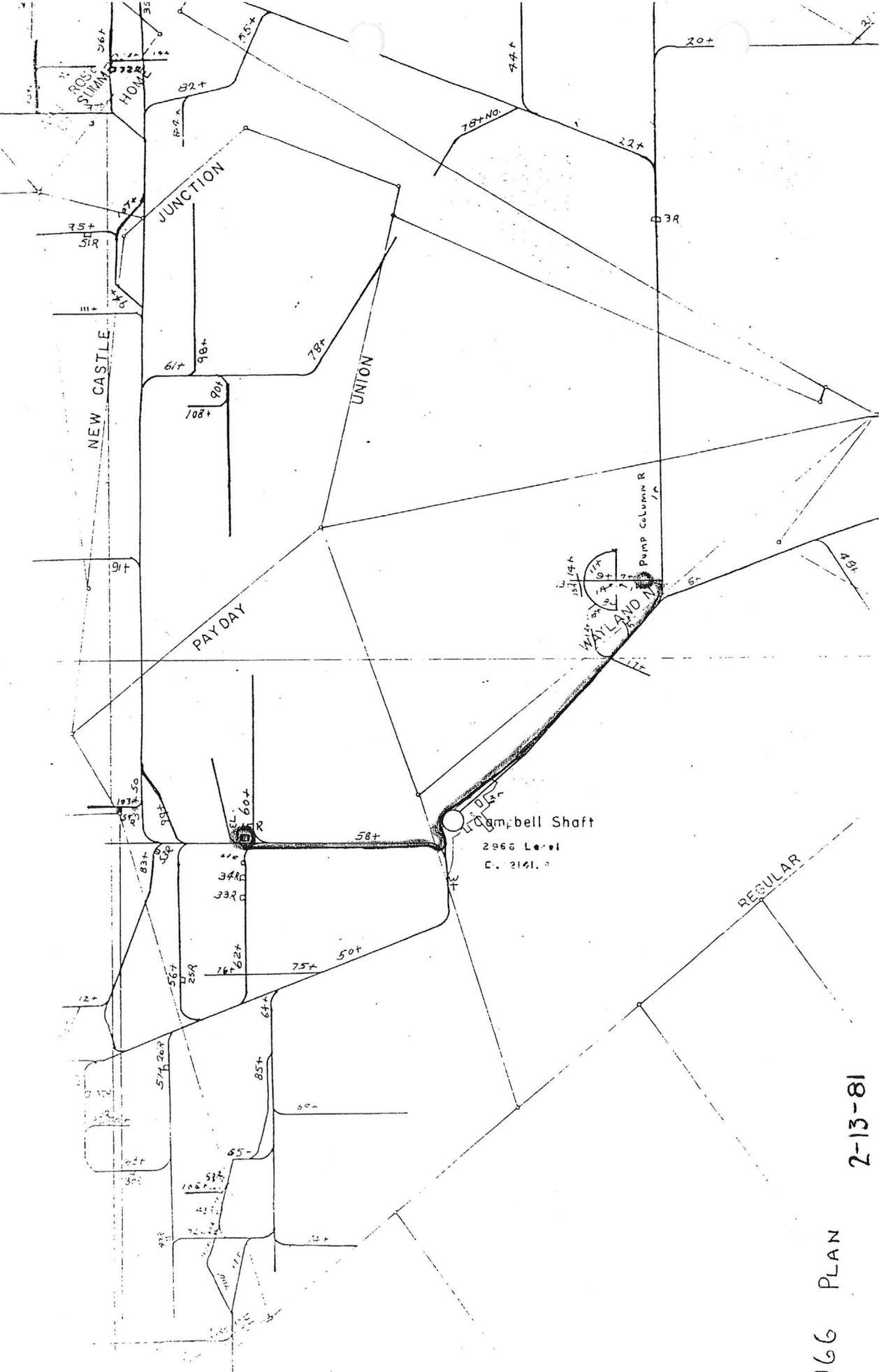
Copper Queen  
2 of 5



2700 PLAN

2-13-81

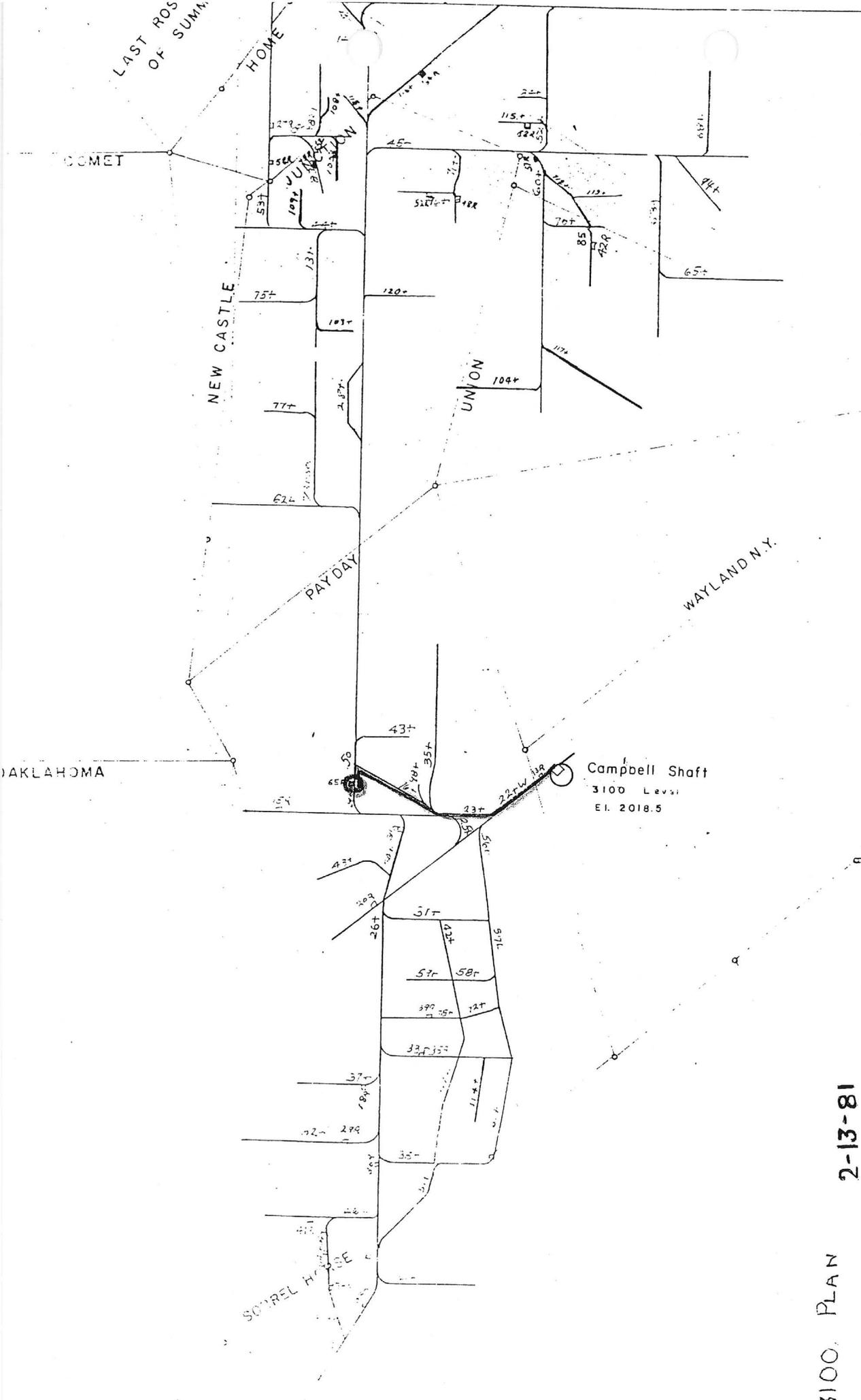
Copper Queen 305



2966 PLAN

2-13-81

Copper Queen 4 of 5



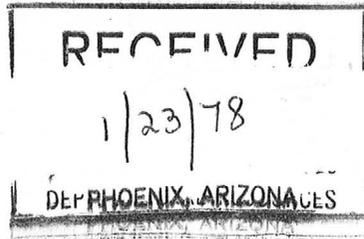
Copper Queen S&S

3100 PLAN 2-13-81

*Copper Queen Mine File*

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uck" Eads

SBEE



MAYOR  
TREET  
A 85603  
446









2200 PLAN  
2-13-81

Junction Shaft  
Elev. 2200

2200

2200

Campbell Shaft  
Elev. 2900

Pay Ditch

Water Door

ROAD OF SUMMER

WAYLAND, N.Y.

REGULAR

NEWCASTLE COMET

PRIMEOSE OREGON

BATON ROUGE

SOREL HORSE OAR

UNION

2700 PLAN

2-13-81

