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Reconstruction Finance Corporation Arizona Records

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I

Envelope inside front cover.

Rejects from 3 ore samples of which mineral analysis by Phelps Dodge Douglas Smelter is posted above.

1. Composit sample or ore taken from dumps and pits 200 foot zone Copper Giant Claims.
2. Composite sample dumps and pits 600 foot zone.
3. Selected highgrade sample of carbonate ore from edge of New Corneliz Pit.

II

Letter of transmittal
to

Mr. W. B. Gohring, Supervising Engineer,
Reconstruction Finance Corporation
Phoenix, Arizona
from

Mr. H. Greenway Albert, Consulting Engineer
Tombstone, Arizona

III

Letter of transmittal
to

Mr. W. B. Gohring
from

Mrs. Lotta I. Hunter
accompanying an application for
a \$25,000.00 Mining and Development Loan.
(Subsequently changed to \$30,000.00)

IV

Compiled data pertaining to
application, given in the order named.

1. General information: APPLICATION FORM
2. Letter from Mr. L. H. Trimble, Phoenix Office of the Southern Pacific R. R. Co., giving freight rates on copper ores shipped from Ajo, Arizona to various smelters.
3. Letter from Mr. Gilbert Hale quoting smelting rates for handling Copper Giant ore at Phelps Dodge Reduction works, Douglas, Arizona.
4. Letters from Mr. C. O. Mittendorf, Director, Office of Premium Price Plan for Copper, Lead and Zinc, Washington, D. C., confirming premium allowances on Cornelia and Copper Giant ores.
 - (a) Original premium allowance.
 - (b) Amended premium allowance.
 - (c) Exploration premium allowance.
5. Exhibit A-8 (b)
Assay determinations from 25 samples taken in the 200 and 600 foot zones on the Copper Giant group of claims.
6. Exhibits A-8 (b), B-4 (a)
Breakdown of operating costs after completion of primary stripping, and anticipated credits, predicated on average cut sample copper content: 200 foot zone.

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7. Exhibits A 10 (a-b), A-11, B-1, *A-8(x)*
Maps and charts: envelope back cover.
 - (a) Copper Giant Claim map showing location of shafts, pits, roads etc.
 - (b) Plan map showing 200 foot zone and location proposed excavation and diamond drill holes.
 - (c) Profile map and cross section chart showing proposed work to be done in 200 foot zone.
 - (d) Combined plan and profile map including chart showing proposed diamond drilling in 600 foot zone.
8. Exhibit A-11.
Breakdown of estimated costs for proposed work on this project.

V

1. Exhibit A-6 (c)
Names, dates of location, place and date of recording, book and page record of 25 unpatented claims in the Copper Giant Group.
2. Copper Giant Claim map; envelope rear cover.

VI

Opinions of the Copper Giant Group of claims expressed by:

1. Thomas Fraser.
2. Miles M. Carpenter.
3. Joseph A. Hunter.

"One picture is worth 2000 words" (Quotation).

VII

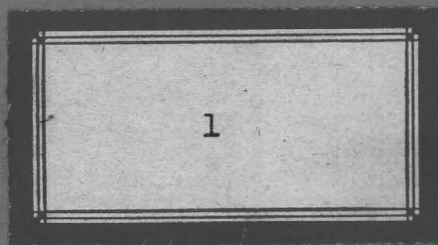
Photographs

1. Showing shallow pits, dumps and one 40 foot shaft in the 200 foot zone where proposed is to be done.
2. Showing a shallow trench; pits, dumps and a 25 foot vertical shaft in the 600 foot zone.
3. Showing shallow workings at various locations on the Copper Giant Claims.
4. Two views showing a portion of the New Cornelia pit as it appears today.

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SEE ENVELOPE FRONT COVER.

Miss [unclear]

1- W.

11

H. GREENWAY ALBERT
CONSULTING ENGINEER
P. O. Box 246
TOMBSTONE, ARIZONA
June 20, 1947

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JUN 30 1947

MINING SECTION

Mr. W. B. Gohring
Supervising Engineer
Reconstruction Finance Corporation
325 Heard Building
Phoenix, Arizona

Re: Mrs. Lotta I. Hunter
Docket No. Phx B-565

Dear Mr. Gohring:

Attached you will find two identical reports complete with maps, charts, ore samples, mineral analysis, assay determinations, smelter cost sheets, premium confirmation, photographs, and an outline of the proposed work with an estimate of costs.

These compiled data will complete in full the application for a \$25,000.00 mining and development loan filed with your Phoenix office by Mrs. Lotta I. Hunter under date of May 5th 1947.

Due to continued rising costs, I have, with Mrs. Hunter's approval, increased the amount of the requested loan to \$30,000.00.

In order to secure accurately, the information required for filling out this application, it was necessary for me to travel over six thousand miles by automobile alone. The time element involved in collecting and compiling data has resulted in an unavoidable delay in getting this report to you.

Fourteen contractors were interviewed by me in Arizona, California and Nevada for the purpose of getting bids on diamond drilling, stripping and trucking. Contractors who were willing to bid on such a small job and who had suitable equipment available to handle the job efficiently, were taken to Ajo. All who saw the property were deeply impressed with its potential possibilities and the favorable outlook for its developing into a large tonnage operation. Two contractors offered to do the preliminary drilling and stripping at actual cost in order to improve their chances of landing a sizable contract later on for handling production.

After taking all known factors into consideration, it seemed advisable that the limited amount of work to be done should be concentrated in a single area. The 200 foot zone was selected as the most favorable location. The grade of the ore in this area is slightly higher: the ledges are somewhat wider and ore exposures are less scattered.

With the amount of ore already exposed over such a vast area, it is

reasonable to assume that there is a large decemenated copper deposit close to the surface, as was found to be the case at the New Cornelia property, three miles to the north. Surface conditions there, prior to development activities were almost identical. Qualitative and quantitative analysis of carbonate ores taken from both properties shows the mineral elements to be substantially the same.

The proposed 30 foot trench cross-cutting the general formation in the 200 foot zone, may or may not reach the top of the decemenated deposit, but it will give a much more comprehensive picture than we now have of what can be expected below.

Diamond drilling is recommended as an economical means of determining the depth and extent of the decemenation and to locate the exact horizon of the underlying sulphide zone.

You will see by the chart marked "200 foot zone" that the proposed drill holes are dipping in a northerly direction in such a way as to cross-cut the various ledges at near right angles. It is reasonable to believe that the mineralization exposed in the 200 foot zone may at depth, extend straight through to the 600 foot zone, a half mile to the north.

This is not true at the south border of the 200 foot zone. Here an exposed dyke striking in a northwesterly, southeasterly direction cuts the country. This dyke dips steeply to the south and has in all probability trapped the ascending ore-bearing solutions, leaving the adjoining ground to the south unmineralized. A geophysics survey bears out this contention.

The daily tonage production from the 200 foot zone, following completion of primary stripping, can only be determined as work progresses and any estimate made at this time would be mere guess work. If I felt that production would not exceed 3,000 tons a month, I wouldn't be interested in starting an operation.

On May 28th, subsequent to the filing of this application, I signed an option agreement with Mrs. Hunter for the purchase of the Copper Giant Group of claims for the sum of \$500,000.00. This option, if exercised, would be subject to Reconstruction Finance Corporation approval. It will be left to their discretion as to whether the loan be immediately liquidated or paid off in the form of royalties from ore shipped.

In the event this loan is approved, I would like to start work as soon after July 1st as possible, as my bids from contractors expire July 10th.

Trusting the attached data complies with requirements set forth in the application, and that I will hear from you at an early date. I beg to remain, with kind personal regards.

Very respectfully,

H. Greenway Albert

H. Greenway Albert

111

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COPY

117 North Grande Ave.
Tucson, Arizona
May 5, 1947

Mr. W. B. Gohring
Reconstruction Finance Corporation Loan Agency
Phoenix, Arizona

Dear Mr. Gohring:

In compliance with your instructions I am filing an application for a mining loan, not filling in details until later as you advised.

The purpose of this loan is a diamond or churn drilling program to determine the depth and extent of copper ore deposits exposed on the surface also for the purpose of stripping and blocking out tonnage and for shipping commercial grade ore from the Copper Giant Group of twenty-five claims in the Ajo mining district.

The project is to be handled under the supervision of Mr. H. Greenway Albert, consulting mining engineer and former mine and mill operator. It is my intention to repay the loan out of earnings or sale of the property.

Yours truly,

(Mrs.) Lotta I. Hunter

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1. Not a corporation: does not apply.
2. Individual.
(c) Widow.
3. (a) None.
(b) None.
4. Mr. H. Greenway Albert, consulting mining engineer, of Tombstone, Arizona, will be in full charge of operations at this project. Mr. Albert received his engineering education at Virginia Military Institute, Johns Hopkins University and University of Arizona. His knowledge of mining was acquired during six years he worked underground with the Calumet and Arizona Mining Company at Bisbee, Arizona. From 1920 until 1930, he operated one or more mines in the Tombstone District on ground leased from the Phelps Dodge Corporation. Since that time he has managed various mining and milling operations throughout the state. During recent years he has been extensively engaged in consulting work and has examined mines in most of the western states as well as Mexico, Cuba and South America. He is familiar with conditions in the Ajo Mining District, having had mining interests there since 1929, and is therefore exceptionally well qualified to manage this project.
5. (a) Copy of deeds can be furnished.
(b) No lease assignment.
(c) Applicant's attorney can furnish affidavit of undisputed ownership.
6. (a) Ajo, Arizona Mining District.
Sections 10 and 15
Township 13 S
Range 6 W
(b) Unpatented.
(c) Book: page: Location notices recorded at Pima County Court House, Tucson. List of same attached.
7. Open pit: dry.
8. See attached reports by Joseph A. Hunter, Miles M. Carpenter and Thos. Fraser.
(a) See attached maps.
(b) See attached assay sheets.
(c) None.
(d) Approximately 7 miles from proposed operation to Ajo railhead. 1.8 miles state highway: good, paved. 4.2 miles county road: fair, dirt, ungraded. 1 mile private road: poor, dirt: Can be repaired with very little expense.
(e) Copper carbonate ore. Shipped from Ajo by rail direct to smelter. Analysis of ore attached.
9. Water for drilling available from 40 ft. mine shaft on property during rainy season and from deep well $3\frac{1}{2}$ miles and Ajo 7 miles all year round.
10. (a) Stripping and open pit mining in mineralized area where shallow pits and cuts have consistently exposed ore a few feet below the surface. Diamond drilling in this area to block out tonnage and determine depth and extent of indicated deposits.
(b) See attached maps and drill hole charts.
(c) No pumping problem: ground dry.
(d) Internal combustion engines to be used for furnishing power and for running air compressors, gasoline to be used as fuel.
(e) \$30,000.00.
11. Drilling and stripping preparatory to starting an open pit mine operation. Practically all of the work will be done in the 200 foot wide mineralized zone.

EXHIBIT B

1. No ore actually blocked out.
See attached data.
Exhibit A. No. 7: No. 8 (a-b) No. 10 (a-b-c-d)
2. No production figures available.
Estimated production after completion of stripping operation 3,000 to 30,000 tons per month.
3. All ore to be shipped direct to smelter.
See smelter cost sheet under Exhibit A. No. 8 (e).
See confirmation of premium allowances, No. 8 (e).
4. Estimated costs after preliminary stripping: Mining, sorting and loading, \$3.30 per ton. Truck hauling 7 miles to Ajo railhead, 70¢ per ton.
 - (a) Propose to do 1 foot of development or exploration work for every 10 tons of ore shipped.
 - (b) No milling costs. Ore to be shipped direct to Smelter.
5.
 - (a) See Exhibit A. No. 11.
 - (b) Use of electric power not contemplated at present.
 - (c) Expect to use internal combustion engines for drilling and for running compressors. Cost of gasoline will vary in accordance with number and size of units, and of number of hours operated daily. Job will probably be done by contract.
6.
 - (a) Yes.
 - (b) Estimate that 12 men would be employed.
 - (c) Drilling and stripping will probably be done by contract.
 - (d) Workmen to live at Ajo.
7. None.
8. Proof of clear title to mining property can be furnished by applicant's attorney.

C O P Y

1V-12

SOUTHERN PACIFIC COMPANY

C-623-22-ARIZ

May 6th, 1947

Mr. Greenway Albert
P O Box 246
Tombstone, Arizona.

Dear Sir:

Referring to our recent conversation at Phoenix concerning rates on low grade copper ore from Ajo to various Arizona smelters.

Attached is statement showing present rates ore various values to Douglas, Hayden and Miami, Arizona. These rates for the various distances involved in the service are already on a lower than usual basis for making ore rates in this territory. As stated to you at the time we are now endeavoring to have these rates increased, to which the Arizona Corporation Commission are objecting. However, the matter has now been brought to the attention of the Interstate Commerce Commission, and we are hopeful of being able to increase these low rates in proportion to the increases granted by the Interstate Commerce Commission, effective January 1st, 1947.

After reviewing these rates carefully, we have reached the conclusion that we cannot see our way clear at this time to make any reduction.

Yours very truly,

(signed)L. H. TRIMPLE

GAH:pr

		COPPER ORE										
AJO	Miles	VALUE PER TON										
to		<u>\$10</u>	<u>\$15</u>	<u>\$20</u>	<u>\$30</u>	<u>\$40</u>	<u>\$50</u>	<u>\$75</u>	<u>\$100</u>	<u>\$125</u>	<u>\$150</u>	<u>\$300</u>
Douglas	295	(Rates per ton)										
		-	220	250	280	310	340	400	460	520	580	650
Hayden	261	-	200	230	260	290	320	380	440	500	560	-
Miami	419	-	-	240	430	470	500	560	660	750	810	1030

GF&PA - Phx. Ariz.
May 4th 1947.

C O P Y

PHELPS DODGE CORPORATION
Douglas Reduction Works
Douglas, Arizona

April 30, 1947

Mr. Greenway Albert,
Tombstone, Arizona.

Dear Sir:

Using the average of the three samples of ore submitted by you as representing ore to be mined by you, we will consider receiving 500 tons in one month as a trial shipment. If the ore is satisfactory to us, we will extend the contract to cover further shipments.

The average of the three samples was: Cu.4.0%, SiO₂, 66.7%, Al₂O₃, 13.1%. The return to you would be calculated as follows:

Payments		
Cu 80.0 lb. less 8.0 lb. - 72.0 lb. @ 18.975¢		\$13.66
Ag		-
Au		-
Total		\$13.66
Deductions		
Base Treatment per dry ton	\$3.75	
Unloading charge (for 100% dumps) 10¢ dry ton	.10	
Alumina penalty 13.1 - 10.0 = 3.1% @ 5¢	.15	4.00
Net to Shipper		\$9.66

Freight to Douglas will be paid by Shipper

The name of the mining claim from which the ore is shipped must be on each bill of lading.

Before contract can be signed it will be necessary for you to present copies of Certificate of Ownership, lease and royalty agreements.

Please do not ship any ore until formal contract has been agreed upon.

Yours very truly,

PHELPS DODGE CORPORATION
DOUGLAS REDUCTION WORKS
By Gilbert Hale

GH/b

Name:		PHELPS DODGE CORPORATION (reduction works)										Douglas Arizona				
H.Greenway Albert.		Assay and Analysis Certificate										April 29, 1947				
Lot	Shipper	Gold ozs	Silver ozs	Cop. %	Lead %	SiO ₂ %	Al ₂ O ₃ %	Fe %	CaO %	MgO %	S %	Zn. %	As %	Sb %	Bi %	
200' zone	H28	tr	0.42	4.02	0.3	64.6	13.7	3.5	0.7	0.80	nil	0.7	nil	nil	tr	
600' "	H29	tr	0.36	3.43	0.3	65.8	13.0	3.9	0.9	0.91	0.1	0.7	nil	nil	tr	
NC	H30	nil	tr.	4.52	0.3	69.8	12.7	2.0	0.2	0.40	nil	0.6	nil	nil	tr	

REMARKS: 200' and 600' represent samples taken from these 2 zones on the Copper Giant Claims.

NC represents carbonate ore taken from New Cornelia open pit of the Phelps Dodge Corporation property at Ajo, 3 miles to the north.

NOTE: The similarity of these samples which tends to bear out Hunter's belief that the two deposits are related (see Hunter Report attached).

DIVISION OF LIQUIDATION
DEPARTMENT OF COMMERCE
Office of the secretary
Washington 25
OFFICE OF THE PREMIUM PRICE PLAN
June 9, 1947

Mr. H. Greenway Albert
P. O. Box 246
Tombstone, Arizona

Dear Mr. Albert:

Re: Cornelia & Copper Giant Mine

In reference to your letters of May 17 and May 29, 1947, together with data submitted therewith, you are advised that premium assignments applicable to production from the Cornelia and Copper Giant groups of claims have been made as follows:

<u>Initial Assignment</u>	<u>Zinc</u>	<u>Lead</u>	<u>Copper</u>
Effective November 1, 1946	11.00¢	9.25¢	17.00¢
<u>Revised Assignment</u>			
Effective May 1, 1947	11.00¢	9.25¢	27.10¢

The above revised assignment is applicable to newly mined ore only. Calculation of the assignment includes consideration of those allowances for which the property is eligible as provided by OES Directive 137, and is subject to review and revision at any time.

To provide for a systematic review of your operations, kindly furnish this office with a monthly report beginning with a report for the month of May 1947, and show the information specified by the tables in the enclosed Form CPA-1572, together with a statement of premium payments accrued during the period covered by the report. (Authority to make this request granted by the Bureau of the Budget on December 6, 1943).

This form is furnished as a guide only. Please use ordinary paper and furnish us with the original and one copy of the report.

Enclosed you will find a copy of a letter dated May 1, 1947, that Office of Metals Reserve sent to their Agents.

Very truly yours,

C. O. Mittendorf, Director
Office of Premium Price Plan for Copper, Lead & Zinc.
Room 2204, "Tempo K"

Enclosure

C O P Y

1V-4 (a).

Premium Price Plan for
Copper, Lead and Zinc

Name of Company
H.Greenway Albert

Date
6/9/47

Address

P.O. Box
Tombstone, Arizona

cpe
#4-654

On the basis of information furnished by you, the following prices are established for the below-described property, as provided by the rules and regulations of the premium price plan for copper, lead and zinc.

PRICES			PREMIUMS			
Name of Mine	Effective Date	Cents per pound of	Per Tons of Concentrates Equivalent to			
(a)	(b)	Zinc (c)	Lead (d)	Copper (e)	60% Zinc (f)	80% Lead (g)
Cornelia & Copper Giant	11.00¢ <u>Initial</u> 11-1-46		9.25¢	17.00¢		

Signed by C.O. Mittendorf
Director

Office of Price Plan for Copper, Lead and Zinc

Form OTC-OWMR-PPP-38
Revised 2-4-47

Name of Company
H. Greenway Albert

Date
6/9/47

PREMIUM PRICE PLAN for
COPPER, LEAD AND ZINC.

Address
P. O. Box 246
Tombstone, Arizona

cpe
#4-654

On the basis of information furnished by you, the following prices are established for the below-described property, as provided by the rules and regulations of the premium price plan for copper, lead and zinc.

PRICES			PREMIUMS			
Name of Mine	Effective Date	Cents per pound of		Per tons of Concentrated Equivalent to		
(a)	(b)	Zinc (c)	Lead (d)	Copper (e)	60% Zinc (f)	80% Lead (g)
Cornelia and <u>Revised</u>		11.00¢	9.25¢	27.10¢		
Copper Giant 5-1-47		Applies to newly mined ore only.				

Signed by C. O. Mittendorf

DIRECTOR

Office of Premium Price Plan for Copper, Lead, and Zinc.

C O P Y

1V-4(c) United States of America
Office of Temporary Control
Office of War Mobilization
And Reconversion

Name of Company
H. Greenway Albert

Date
6/13/47

Address (Street, City, Zone, State)

PREMIUM PRICE PLAN FOR
COPPER, LEAD AND ZINC

P. O. Box 246
Tombstone, Arizona

cpe
#3-150

ASSIGNMENT OF LIMITED EXPLORATION PREMIUM

On the basis of an application and information furnished by you, the office of the premium price plan for copper, lead and zinc has established the following exploration premiums for the below described property, on the following conditions: (a) That the operator has produced less than 600 tons of copper, lead and/or zinc in the 12 months ending June 30, 1946. (b) That the operator hereby undertakes to spend these funds on exploration within two (2) months after receipt thereof. (c) That such premiums shall be spent only for exploration for copper, lead and zinc ores in domestic properties..

(For each pound of the metals specified below, calculated according to rule 13, a copy of which is on the other side)

Name of Property
Cornelia & Copper Giant
Mine.

Effective Date
May 1, 1947

	Per Pound of Metal	Tri-State Only
Limited Exploration Premium not to Exceed \$1,000 for the production of any calendar month.	Zinc 1¢	Per Ton of Concentrates Equivalent to 60% Zinc \$10.80 80% Lead \$15.20
	Lead 1¢	
	Copper 1¢	

All inquiries concerning the premium price plan should be directed to the director, of the Office of the Premium Price Plan for Copper, Lead and Zinc, Washington 25, D.C.

Signed By C. O. Mittendorf
DIRECTOR

Office of Premium Price Plan for Copper, Lead & Zinc

ARIZONA TESTING LABORATORIES

ANALYTICAL AND CONSULTING CHEMISTS
ASSAYERS, MINING ENGINEERS
823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

PHOENIX, ARIZONA, October 9 194 6

MX Carlota Copper Company
Box 1745
Miami, Arizona

WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT \$ _____ PER OUNCE.

SILVER FIGURED AT \$ _____ PER OUNCE.

LAB. FORM 2

NO.	SAMPLE	GOLD		SILVER		PERCENTAGES			
		OZ. PER TON	VALUE	OZ. PER TON	VALUE	COPPER	LEAD		
74	#1 Pits					3.20%			
75	#2 Dump-Conglomerate					4.45%			
76	#3 Pits 600 zone					4.70%			

CLAUDE E. McLEAN
P. O. BOX 1888

TELEPHONE 3-6272

ARIZONA TESTING LABORATORIES

ANALYTICAL AND CONSULTING CHEMISTS
ASSAYERS, MINING ENGINEERS
823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

PHOENIX, ARIZONA, October 31 194 6

M r. J. L. Alexander
Box 1745
Miami, Arizona

WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT \$ _____ PER OUNCE.

SILVER FIGURED AT \$ _____ PER OUNCE.

LAB. FORM 2

LAB. NO.	SAMPLE	GOLD		SILVER		PERCENTAGES			
		OZ. PER TON	VALUE	OZ. PER TON	VALUE	COPPER	LEAD	Silica (SiO ₂)	
78	Composite 12 samples							62.44%	

CLAUDE E. McLEAN
P. O. BOX 1888

TELEPHONE 3-6272

ARIZONA TESTING LABORATORIES

ANALYTICAL AND CONSULTING CHEMISTS
ASSAYERS, MINING ENGINEERS
823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

PHOENIX, ARIZONA, October 29 194 6

M r. John L. Alexander
Box 1745
Miami, Arizona

WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT \$ 35.00 PER OUNCE.

SILVER FIGURED AT \$ 0.90 PER OUNCE.

LAB. FORM 2

LAB. NO.	SAMPLE	GOLD		SILVER		PERCENTAGES			
		OZ. PER TON	VALUE	OZ. PER TON	VALUE	COPPER	LEAD		
62032	#1-6½' E.side #1 Pit					2.65%			
33	#2-5' S.side #1 Pit					0.90%			
34	#3-3' Pit #2					2.25%			
35	#4-5' Pit #3					2.85%			
36	#5-5' Pit #4					5.20%			
7	#6-5' Pit #5					2.70%			
38	#7-5' Pit #6					3.40%			
39	#8-3' Pit #7					2.30%			
40	#9-6' Pit #8 Dump Grab					3.55%			
41	#10-Pit #9 Grab Dump					2.05%			
42	#12-Pit #25					5.00%			
43	#13-Pit #26					3.25%			

RESPECTFULLY SUBMITTED,

ARIZONA TESTING LABORATORIES

BY Claude E. McLean ASSAYER

CHARGES \$ 12.00



200 Ft. Zone

Proposed Location for Open Pit Mining Operation
where nine cut Samples taken over an Average
with of 4.8 feet show an average of 2.86% Cu.

Breakdown of Costs and Credits on 2.86% Cu. ore
after completion of primary stripping:

2.86% equals 57.2 lbs. cu. per ton	
Less 8.0 " Smelter deduction	
Net 49.2 " @ 18.975 equals \$9.34	
Less, Treatment and penaltiesL	4.00
Net paid by Smelter	\$5.34
Less; Freight, Ajo to Douglas	2.20
Net Smelter Returns	\$3.14
Premiums: 5¢ plus 1¢ equals 6¢ per lb. on 97% of wet assay of cu:	
57.2 x .97 equals 55.4lbs @ 6¢ " "	3.32
Net Smelter returns plus premiums	\$6.46
Estimated cost of secondary stripping, mining, sorting and loading	\$3.30
Trucking 7 miles to Ajo Railhead	.70
	4.00
	\$2.46
50¢ a ton allocated to exploration and development program	.50
	\$1.96
Royalties 10% of net Smelter Returns	.31
Estimated net profit per ton with prems.	\$1.65

EXHIBIT A - 11

Mrs. Lotta I. Hunter.

COPPER GIANT PROJECT

AJO, PIMA COUNTY, ARIZONA.

RECONSTRUCTION FINANCE CORPORATION

W. B. Gohring, Supervising Engineer
325 Heard Building, Phoenix, Arizona
DOCKET NO. Phx.B-565.

ESTIMATE OF EXPENDITURES FOR
PROPOSED PROJECT.

Contract for stripping and removing 10,000 yards of waste material, preparatory to start of open pit mining, in 200 foot mineralized zone. (Including costs of moving heavy equipment, drilling, blasting and hauling) 10,000 yards @ \$1.00 per yard, - - - - -	\$10,000.00
Contract for 2,000 feet of diamond drilling (including cost of procuring and hauling water for same) 2,000 ft @ \$5. per foot - - - - -	10,000.00
400 samples from sludge (including roasting quartering, sacking, etc.) one sample for every five feet of drilling, 400 samples @ \$2.00 each-	800.00
400 assays for Cu. @ \$1.00 each - - - - -	400.00
40 " " Au. and Ag. @ \$1.50 each - - - - -	60.00
Repairing one and one quarter miles of road - - - - -	500.00
Labor and materials for building 40 drill core boxes @ \$7.50 each- - - - -	300.00
Labor and material for building temporary office at pit- - - - -	500.00
Labor and material for building loading ramp and bin at pit- - - - -	1,750.00
Labor and material for building ramp and loading platform at Ajo Railhead- - - - -	2,500.00
Engineering (including cost of securing and compiling data for this report) - - - - -	1,600.00
Office and bookkeeping (including necessary books & stationery) - - - - -	800.00
Supervision - - - - -	750.00
Contingencies - - - - -	40.00
<u>Total</u>	<u>\$30,000.00</u>

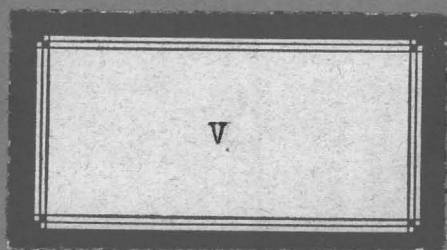


EXHIBIT A - 6 (c)

Copper Giant group of 25 unpatented claims. Location notices as recorded at Pima County Court House, Tucson, Arizona, as follows:

COPPER GIANT MINING CLAIM, in Book 72, Records of mines, Page	116
Copper Giant No. 1	" 72 " " " 117
Copper Giant No. 2	" 72 " " " 118
Copper Giant No. 3	" 72 " " " 119
Copper Giant No. 4	" 72 " " " 120
Copper Giant No. 5	" 72 " " " 121
Copper Giant No. 6	" 72 " " " 122
Copper Giant No. 7	" 72 " " " 123
Copper Giant No. 8	" 72 " " " 124
Hot Shot	" 72 " " " 112
Hot Shot No. 1	" 72 " " " 113
Hot Shot No. 2	" 72 " " " 114
Hot Shot No. 3	" 72 " " " 115
Copper Giant No. 9	" 74 " " " 493
Copper Giant No. 10	" 74 " " " 494
Copper Giant No. 11	" 74 " " " 495
Copper Giant No. 12	" 74 " " " 496
Copper Gold No. 1	" 74 " " " 497
Copper Gold No. 2	" 74 " " " 498
Copper Gold No. 3	" 74 " " " 499
Harriet	" 74 " " " 492
Moonlight	" 74 " " " 488
Moonlight X	" 74 " " " 489
Honey Dew	" 74 " " " 490
Zandia	" 74 " " " 491

RECEIVED

JUN 30 1947

MINING SECTION

200 ft. ZONE

COPPER GIANT GROUP OF CLAIMS

Also

600 ft. ZONE and

views of other workings on the property.



Private road leading to Copper Giant property
at junction of Old Sonoita Road



RECEIVED

JUN 30 1947

MINING SECTION

200 ft. ZONE

PHOTOGRAPHS showing some of the pits and dumps in the 200 ft. zone of the Copper Giant Group of claims.

Most of the coarse material on these dumps is ore, whereas the greater part of the underlying fines is waste.

The surface waste material was naturally removed first during the process of stripping. Some of the exposed ore was then mined and placed on the dumps. There is exposed ore in place in every one of the pits, but a considerable amount of the mined ore has been removed from many of the dumps and carted away, probably by persons seeking colorful ore specimens. This can be evidenced by the small amount of coarse material now remaining on some of the dumps, particularly in this area.



Pit No. 10. 11 feet deep.
Looking South East.
Note: Very little of original dump remains.



No. 7. 40 foot shaft.
Looking South.
Note: Practically all of the dump has been removed.

VI

200 ft. ZONE

continued...



Pit No. 4. 8 feet deep
Looking North East.



Pit No. 3. 12 feet deep
Looking North East

V11

200 ft. ZONE

continued...



Pit No. 8. 7 feet deep
Looking North East.



Pit No. 1. 5 feet deep.
Looking East

600 ft. Zone

COPPER GIANT GROUP



Shallow Pits and dumps: 600 foot Zone. Looking South East.



No. 25. 2ft. deep trench. Looking North East.



No. 26. 16 foot vertical shaft. Looking East.

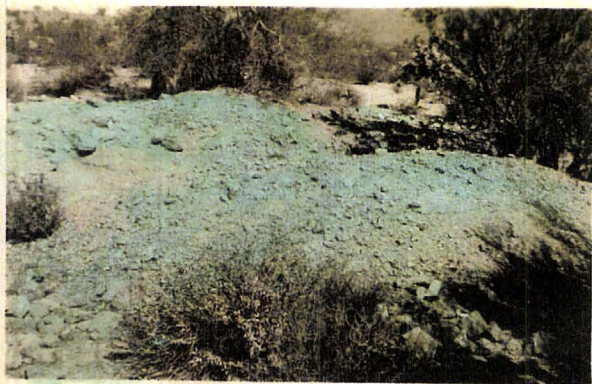
VARIOUS PITS AND DUMPS: COPPER GIANT GROUP

Showing some of the many workings on the property.

Wherever work has been done, ore has been found to exist close to the surface.

See: Report by Joseph A. Hunter.

EXIBIT: A-8 (e)-3.



These photographs were taken a number of years ago, before much of the "Specimen type ore" had been removed from the dumps.

Photographs showing portions of the New Cornelia Pit referred to in the attached report by Joseph A. Hunter. These photographs were taken in May, 1947, and show

THE PIT AS IT LOOKS TODAY.

Surface
overburden-
Approximate
Horizon of
Decomposition
Decomposed ore deposit



This property is owned and operated by the Phelps Dodge Corporation.

At the present time (according to Company Officials) 50,000 tons of material is being mined daily. Approximately half of this tonnage is put through the Company's Flotation Mill. The remainder, which is mined in the Stripping Process, is conveyed to the Waste Dump by a fleet of 40 ton trucks.

Concentrates from the Mill are shipped via rail to the Phelps Dodge Smelter at Douglas, Arizona.

Blister Copper, which is made at the Smelter, is shipped via rail to Perth Amboy, New Jersey, for Refining.



MAPS and CHARTS

Exhibits: A-8 (a).

A-10 (a-b).

RECEIVED

JUN 30 1947

MINING SECTION

URANIUM CONCENTRATING CO.

Cornelia

TEST REPORT

Test No. One

LABORATORY — ☐

PILOT PLANT — ☒

NAME OF COMPANY Roe. E. Wells and Dr. Hunter L. Harang

ADDRESS Houston, Texas

TYPE OF ORE Copper minerals in the locomotive fanglomerate

NAME OF MINE Cornelia- Copper Giant LOCATION Ajo, Arizona

WEIGHT OF HEAD SAMPLE 165 Lbs.

MOISTURE CONTENT negligible

Description	Sample No.	per ton Weight	R.M. Assay	WET ASSAY		% Weight	% Assay	lbs. Cu max
				Cu				
Coarse Heads		2000		4.14				82.8
#1 Cyclone		85		7.30				6.2
Attrition Heads		1915		4.00				76.6
#2 Cyclone		136		6.45				8.8
Vacon Heads		1779		3.75				66.7
Vacon Cons		240		5.67				13.6
Vacon Tails		1539		3.12				48.0
Unaccountable Loss in concentrates in system								5.31

CALCULATED RATIO OF CONCENTRATION 4.34 to 1

CALCULATED RECOVERY 42% in the concentrates

Remarks; For each 100 tons of ore mined the process would produce approximately 75 tons of coarse product containing 3.12% copper and over 80% silica shipable to the nearby smelter. The fines would be feed to a leaching plant. These fines, 25 tons, would contain 6.2% copper; most of the alumina and lime.

On heads containing less copper the above ratios would probably hold true.

AGB

NOTICE OF LOCATION

LODE CLAIM

NOTICE IS HEREBY GIVEN, that the CORNELIA EXTENSION 88
LODE MINING CLAIM was located by H. GREENWAY ALBERT AND
MAJAG ALBERT ~~who has declared his intention of becoming~~
~~a~~ Citizen of the United States
on this day of , 19 , for
mining purposes. Said claim is 1500 feet in length along
the vein or deposit of mineral-bearing rock in place, and
300 feet in width on each side of the center of said vein,
or deposit, from end to end of said claim. The general
course of this claim is N 65° E and S 65° W
and is situated in the AJO Mining
District, PIMA County, Arizona, about 4 1/4
miles in a SOUTHERLY direction from AJO PO
1N SEC. 24 - T 13 S - R 6 W

THIS CLAIM RUNS from the discovery monument, or stake,
on which the notice is posted, 10 feet in a
N 65° E direction to the NE'LY center
end monument, or stake, and 1490 feet in a
S 65° W direction from the aforesaid location
monument, or stake, to the SW'LY center end
monument, or stake, and is also marked by two corner mon-
uments, or stakes, at each end of said claim, one on each side
of, and 300 feet from, the center end monuments, or stakes, mak-
ing the claim in the form of a parallelogram.

Witness

Locator

STATE OF ARIZONA } ss.
County of

I, , hereby certify that I am a locator
of the within named claim and that the location work was performed
thereon within 90 days from the date of location, to the full amount and
in the manner required by law.

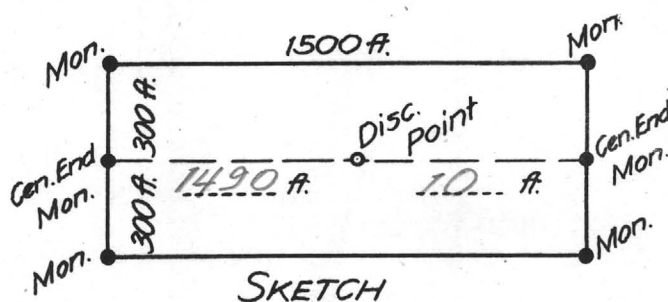
WITNESS my hand and seal this day of , 19

This claim is a re-location of an (SEAL)
abandoned mining claim known as
the

Locator

* Cross out if not applicable.

Prepared and sold by:
Lenon Engineering Offices
Patagonia-Nogales, Ariz.



NOTICE OF LOCATION
LODE CLAIM

Dated: _____, 19____

STATE OF ARIZONA }
COUNTY OF _____ } ss.

I hereby certify that the
within instrument was filed and
recorded at the request of:

_____ A.D. 19____

at _____ M. Book _____

Pages _____.

Witness my hand and offic-
ial seal the day and year aforesaid.

County Recorder

by _____
Deputy Recorder

NOTICE OF LOCATION

LODE CLAIM

NOTICE IS HEREBY GIVEN, that the Cornelia Extension SS
LODE MINING CLAIM was located by H. Greenway Albert and
Maja G. Albert who has declared his intention of becoming*
a Citizens of the United States
on this day of , 19 , for
mining purposes. Said claim is 1500 feet in length along
the vein or deposit of mineral-bearing rock in place, and
300 feet in width on each side of the center of said vein,
or deposit, from end to end of said claim. The general
course of this claim is N 65° E and S 65° W
and is situated in the Ajo Mining
District, Pima County, Arizona, about 4
miles in a Southwesterly direction from Ajo P.O.
in Sec 24, T 13S, R 6W

THIS CLAIM RUNS from the discovery monument, or stake,
on which the notice is posted, 10 feet in a
S 65° W direction to the SW'ly center
end monument, or stake, and 1490 feet in a
N 65° E direction from the aforesaid location
monument, or stake, to the NE'ly center end
monument, or stake, and is also marked by two corner mon-
uments, or stakes, at each end of said claim, one on each side
of, and 300 feet from, the center end monuments, or stakes, mak-
ing the claim in the form of a parallelogram.

Witness

Locator

STATE OF ARIZONA } ss.
County of

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of the within named claim and that the location work was performed
thereon within 90 days from the date of location, to the full amount and
in the manner required by law.

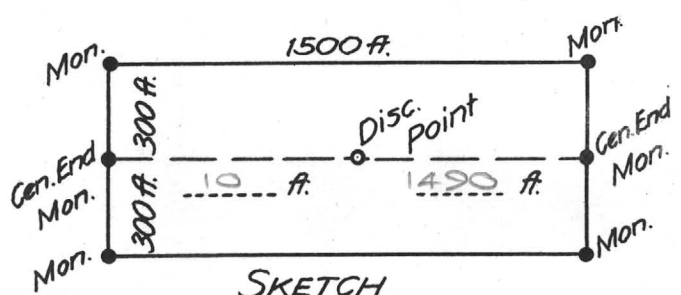
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abandoned mining claim known as
the

Locator

* Cross out if not applicable.

Prepared and sold by:
Lenon Engineering Offices
Patagonia-Nogales, Ariz.



NOTICE OF LOCATION
LODE CLAIM

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STATE OF ARIZONA

COUNTY OF _____

} ss.

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within instrument was filed and
recorded at the request of:

_____ A.D. 19____

at _____ M. Book _____

Pages _____.

Witness my hand and offic-
ial seal the day and year aforesaid.

County Recorder

by _____
Deputy Recorder

NOTICE OF LOCATION

LODE CLAIM

NOTICE IS HEREBY GIVEN, that the CORNELIA EXTENSION 90
LODE MINING CLAIM was located by H. GREENWAY ALBERT
MAJIA G. ALBERT who has declared his intention of becoming*
a Citizen of the United States
on this day of , 19 , for
mining purposes. Said claim is 1500 feet in length along
the vein or deposit of mineral-bearing rock in place, and
300 feet in width on each side of the center of said vein,
or deposit, from end to end of said claim. The general
course of this claim is N 65° E and S 65° W
and is situated in the AJO Mining
District, PIMA County, Arizona, about 4 1/4
miles in a SOUTHERLY direction from AJO 70
IN SEC 24-T 13 S-R 6 W

THIS CLAIM RUNS from the discovery monument, or stake,
on which the notice is posted, 10 feet in a
N 65° E direction to the NE'LY center
end monument, or stake, and 1490 feet in a
S 65° W direction from the aforesaid location
monument, or stake, to the SW'LY center end
monument, or stake, and is also marked by two corner mon-
uments, or stakes, at each end of said claim, one on each side
of, and 300 feet from, the center end monuments, or stakes, mak-
ing the claim in the form of a parallelogram.

Witness

Locator

STATE OF ARIZONA } ss.
County of

I, , hereby certify that I am a locator
of the within named claim and that the location work was performed
thereon within 90 days from the date of location, to the full amount and
in the manner required by law.

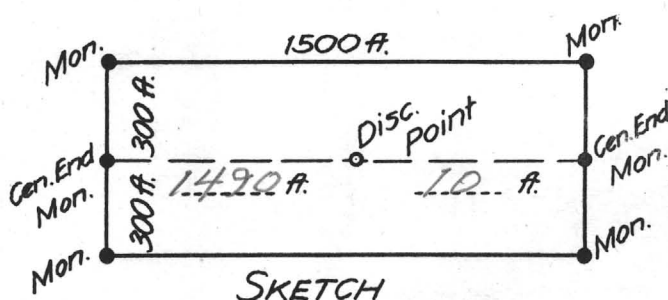
WITNESS my hand and seal this day of , 19

This claim is a re-location of an (SEAL)
abandoned mining claim known as the

Locator

* Cross out if not applicable.

Prepared and sold by:
Lenon Engineering Offices
Patagonia-Nogales, Ariz.



NOTICE OF LOCATION
LODE CLAIM

Dated: _____, 19__

STATE OF ARIZONA

COUNTY OF _____

} ss.

I hereby certify that the
within instrument was filed and
recorded at the request of:

A.D. 19__

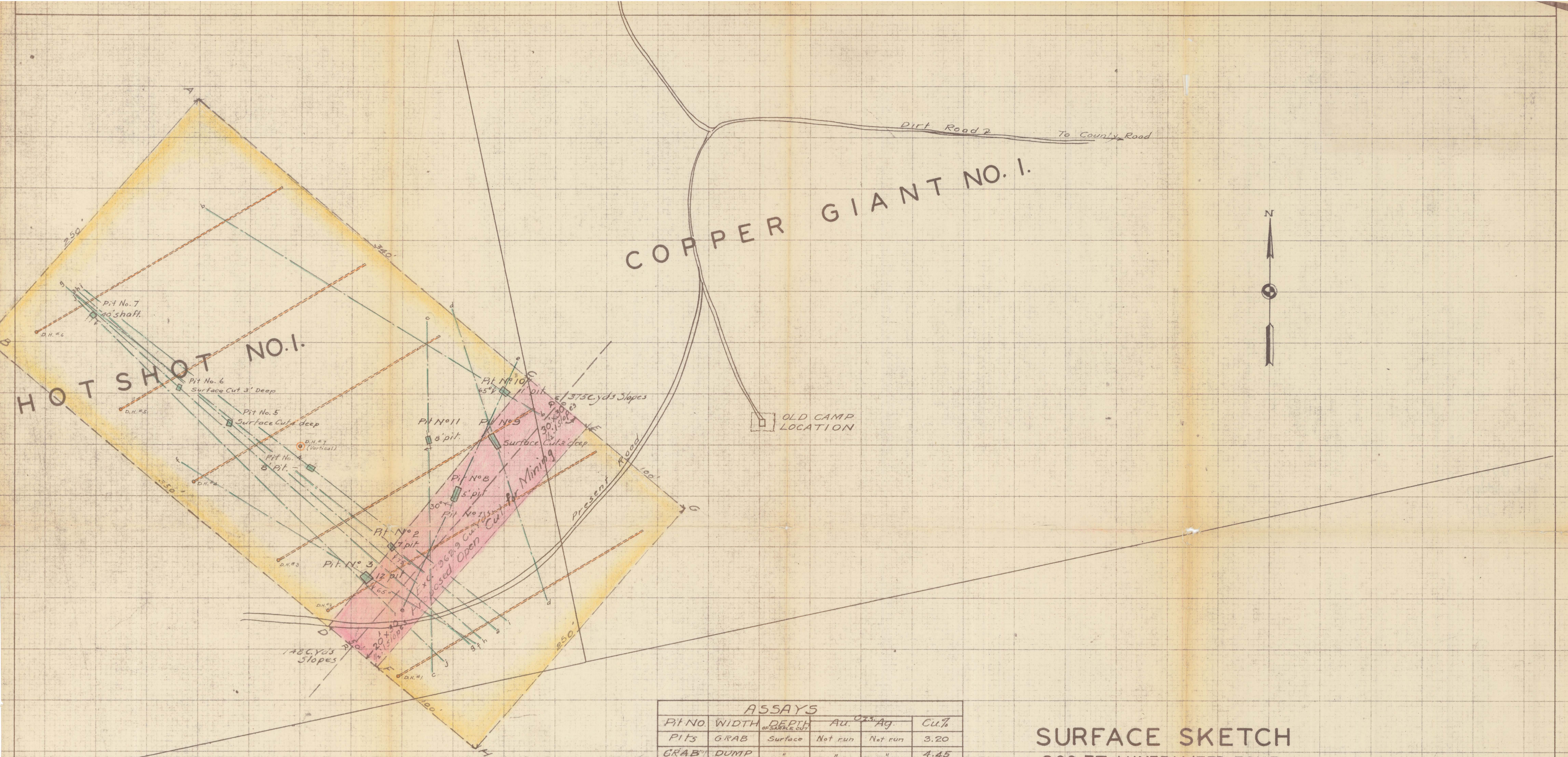
at _____ M. Book _____

Pages _____.

Witness my hand and offic-
ial seal the day and year aforesaid.

County Recorder

by _____ Deputy Recorder



HOT SHOT NO. 1.

COPPER GIANT NO. 1.

OLD CAMP LOCATION

D.H. #1, D.H. #2, etc., represents proposed diamond drill holes crosscutting general strike of veins. Vertical angles of holes are such as to cross dip of veins at near right angles, with collars of holes at south side of zone and bottoms at north side.

COLOR CODE

- 200 Ft Mineralized Zone
- Proposed Excavation
- Ledges - Pits
- Proposed Drill Holes

Shallow stripping area A-B-C-D, 1 1/2 to 3 ft. 2,000.0 cu yds.
 Deep cut C-D-E-F: 30' wide at bottom
 50' " " south end
 60' " " north " } 8,485.9 " "
 20' deep " south "
 30' " " north "

TOTAL - 10,485.9 cu yds.

ASSAYS					
Pit No.	WIDTH	DEPTH	Au. Ores Ag.		Cu. %
PITS	GRAB	Surface	Not run	Not run	3.20
GRAB	DUMP	"	"	"	4.45
Es. side No. 1	6.5	2.5	"	"	2.65
S. side No. 1	5.0	2.5	"	"	0.90
No. 2	3.0	3.0	"	"	2.25
No. 3	5.0	4.0	"	"	2.85
No. 4	5.0	7.0	"	"	5.20
No. 5	5.0	Surface	"	"	2.70
No. 6	5.0	"	"	"	3.40
No. 7	3.0	"	"	"	2.30
No. 8	6.00	2.5	"	"	3.55
No. 9	DUMP	Surface	"	"	2.05
DUMP	GRAB	Surface	Trace	0.38	4.07
"	"	"	"	0.42	4.02

SURFACE SKETCH
 200 FT. MINERALIZED ZONE
COPPER GIANT GROUP
 AJO MINING DISTRICT ARIZ.
LOTTA I. HUNTER-PROPERTY

Scale 1" = 40 ft.

MAY, 1947.

DOCKET NO. 6219

SHEET 1 OF 2 SHEETS

Revised 6-11-47 by
 WESTERN BUSINESS SYSTEMS
 Wesley B. Heller
 PROFESSIONAL BUILDING
 TUCSON, ARIZONA

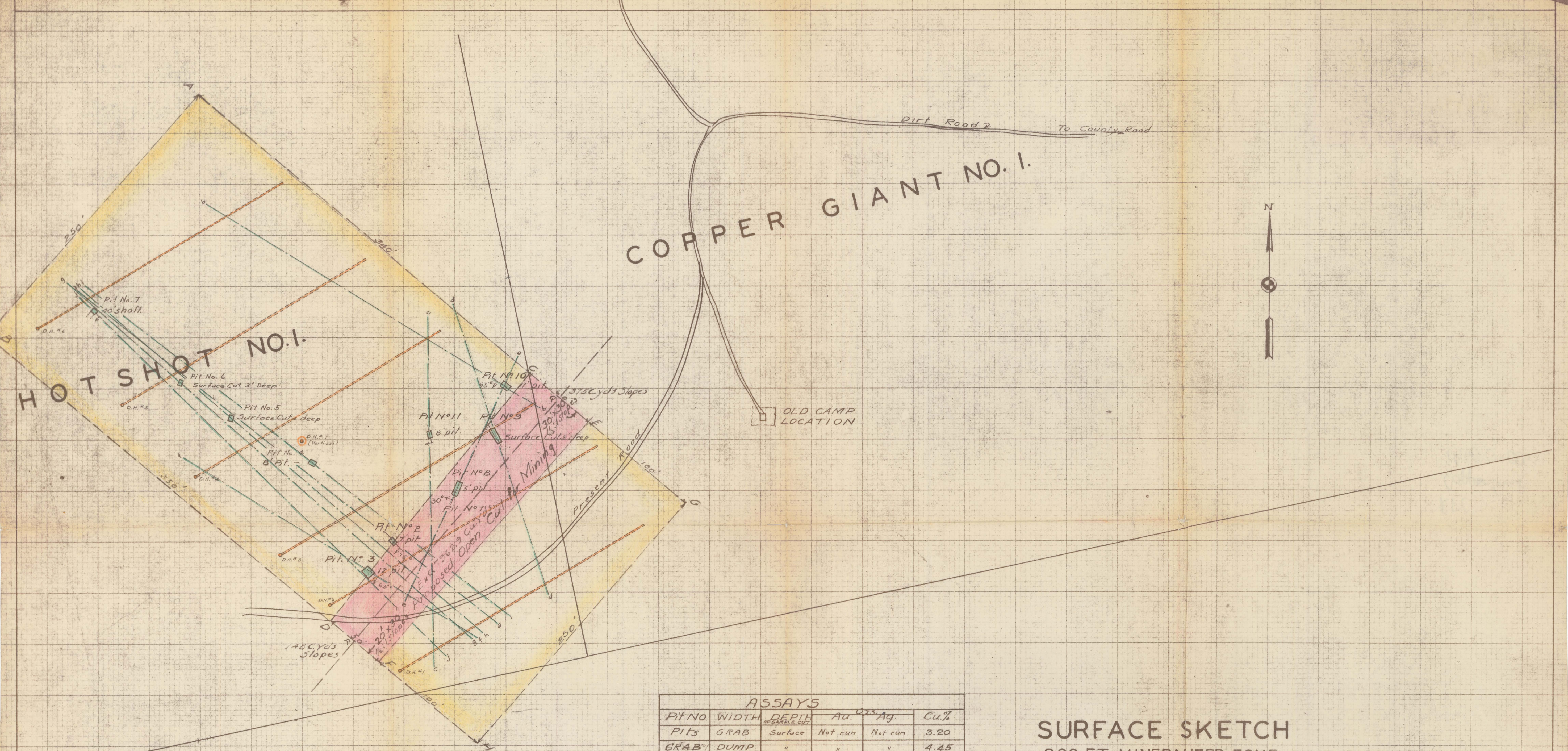
(See Sheet 2 of 2 Sheets for Cross Sections C-E, D-F and Q-R)

"PERFECT" CROSS SECTION
 10 x 10 = ONE INCH
 EUGENE DIEZGEN CO.

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"PERFECT" CROSS SECTION
 10 x 10 = ONE INCH
 EUGENE DIEZGEN CO.



D.H.#1, D.H.#2, etc., represents proposed diamond drill holes crosscutting general strike of veins. Vertical angles of holes are such as to cross dip of veins at near right angles, with collars of holes at south side of zone and bottoms at north side.

COLOR CODE
 200 Ft Mineralized Zone
 Proposed Excavation
 Ledges - Pits
 Proposed Drill Holes

Shallow stripping area A-B-C-D, 1/2 to 3 ft. 2,000.0 cu.yds.
 Deep cut C-D-E-F: 30' wide at bottom
 50' " " south end
 60' " " north " } 8,485.9 " "
 20' deep " south "
 30' " " north "
TOTAL - 10,485.9 cu.yds.

(See Sheet 2 of 2 Sheets for Cross Sections C-E, D-F and Q-R)

ASSAYS					
Pit No.	WIDTH	DEPTH	Au. & Ag.		Cu. %
Pits	GRAB	Surface	Not run	Not run	3.20
GRAB	DUMP	"	"	"	4.45
East No 1	6.5	2.5	"	"	2.65
Side No 1	5.0	2.5	"	"	0.30
No 2	3.0	3.0	"	"	2.25
No 3	5.0	4.0	"	"	2.85
No 4	5.0	7.0	"	"	5.20
No 5	5.0	Surface	"	"	2.70
No 6	5.0	"	"	"	3.46
No 7	3.0	"	"	"	2.30
No 8	6.00	2.5	"	"	3.55
No 9	DUMP	Surface	"	"	2.05
DUMP	GRAB	Surface	Trace	0.38	4.07
"	"	"	"	0.42	4.02

SURFACE SKETCH
 200. FT. MINERALIZED ZONE
COPPER GIANT GROUP
 AJO MINING DISTRICT ARIZ.
LOTTA I. HUNTER-PROPERTY
 Scale 1" = 40 ft. MAY, 1947.
DOCKET NO. 6219

SHEET 1 OF 2 SHEETS

Revised 6-11-47 by
 WESTERN BUSINESS SYSTEMS
 Wesley B. Hester
 PROFESSIONAL BUILDING
 TUCSON, ARIZONA

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COPPER GIANT
NO. 4

WINNING GIANT
COPPER GIANT
NO. 7
RECEIVED

SEC. A-A

SEC. B-B

SEC. C-C

SEC. D-D

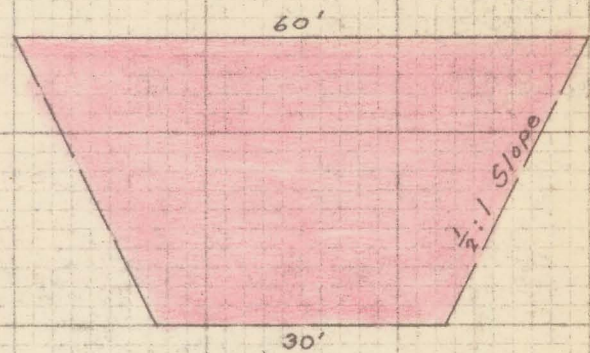
SEC. E-E

SURFACE SKETCH AND CROSS SECTIONS
600 FT. MINERALIZED ZONE
COPPER GIANT GROUP
AJO MINING DISTRICT, ARIZ.
LOTTA I. HUNTER PROPERTY

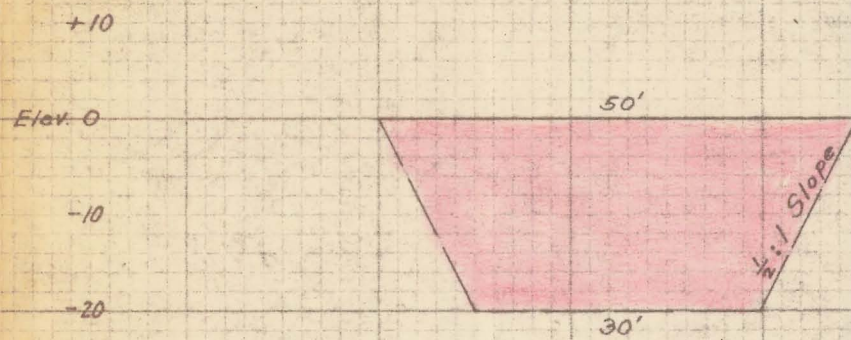
Scale: 1" = 40' DOCKET NO. 6219 June 1947

ASSAYS					
PIT NO.	WIDTH (FT.)	DEPTH OF SAMPLE CUT	OUNCES		Cu. %
			Au.	Ag.	
24	2.0	3'	Trace	0.20	1.85
25	4.5	2'	"	.20	4.20
26	2.2	Surface	"	.40	3.05
27	0.9	3'	"	.30	2.30
28	2.2	8'	"	.30	1.35
29	2.0	Surface	"	.40	1.40
25	Grab	"	Not run	Not run	5.00
26	"	"	"	"	3.25
Pits	"	"	"	"	4.70
Dumps	"	"	Trace	.36	3.43
"	"	"	"	.23	3.54
"	"	"	"	.61	2.60

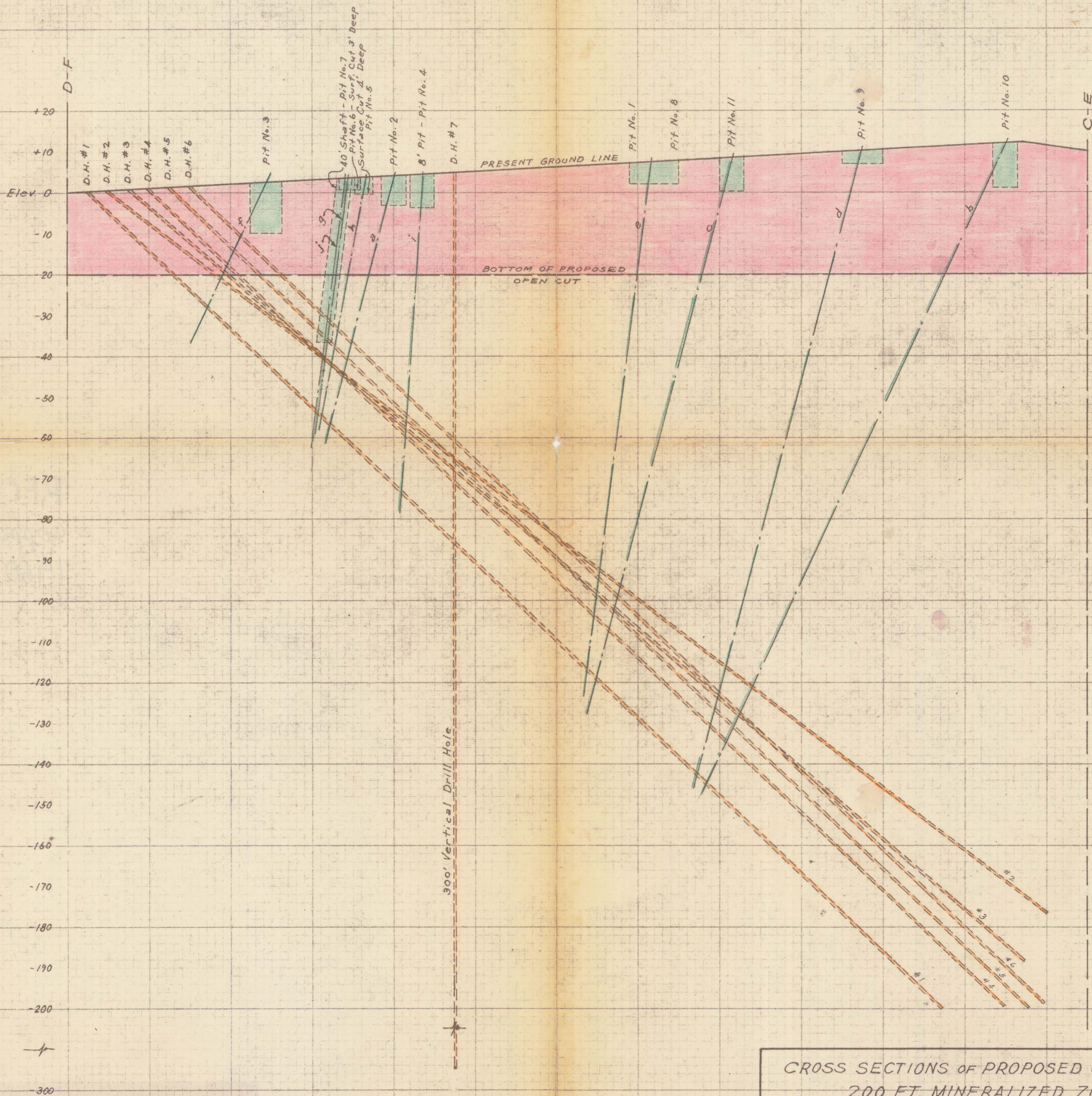
COLOR CODE
Ledges - Pits
Proposed Drill Holes



SECTION C-E



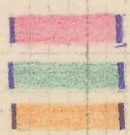
SECTION D-F



SECTION Q-R

COLOR CODE

Proposed Excavation
Ledges - Pits
Proposed Drill Holes



Note: All drill holes are
300' in length.

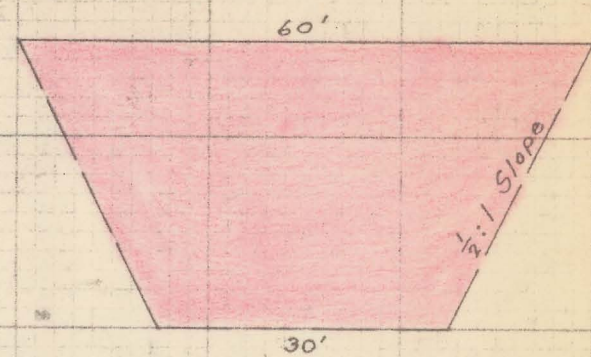
CROSS SECTIONS OF PROPOSED OPEN CUT
200 FT. MINERALIZED ZONE
COPPER GIANT GROUP
AJO MINING DISTRICT, ARIZ.

LOTTA I. HUNTER PROPERTY

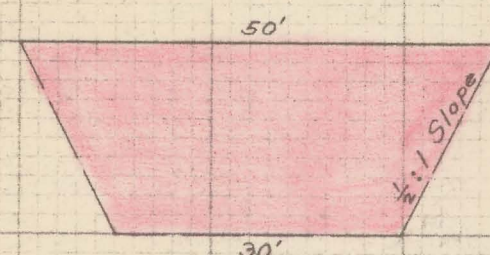
Scale: 1" = 20'

June 1947

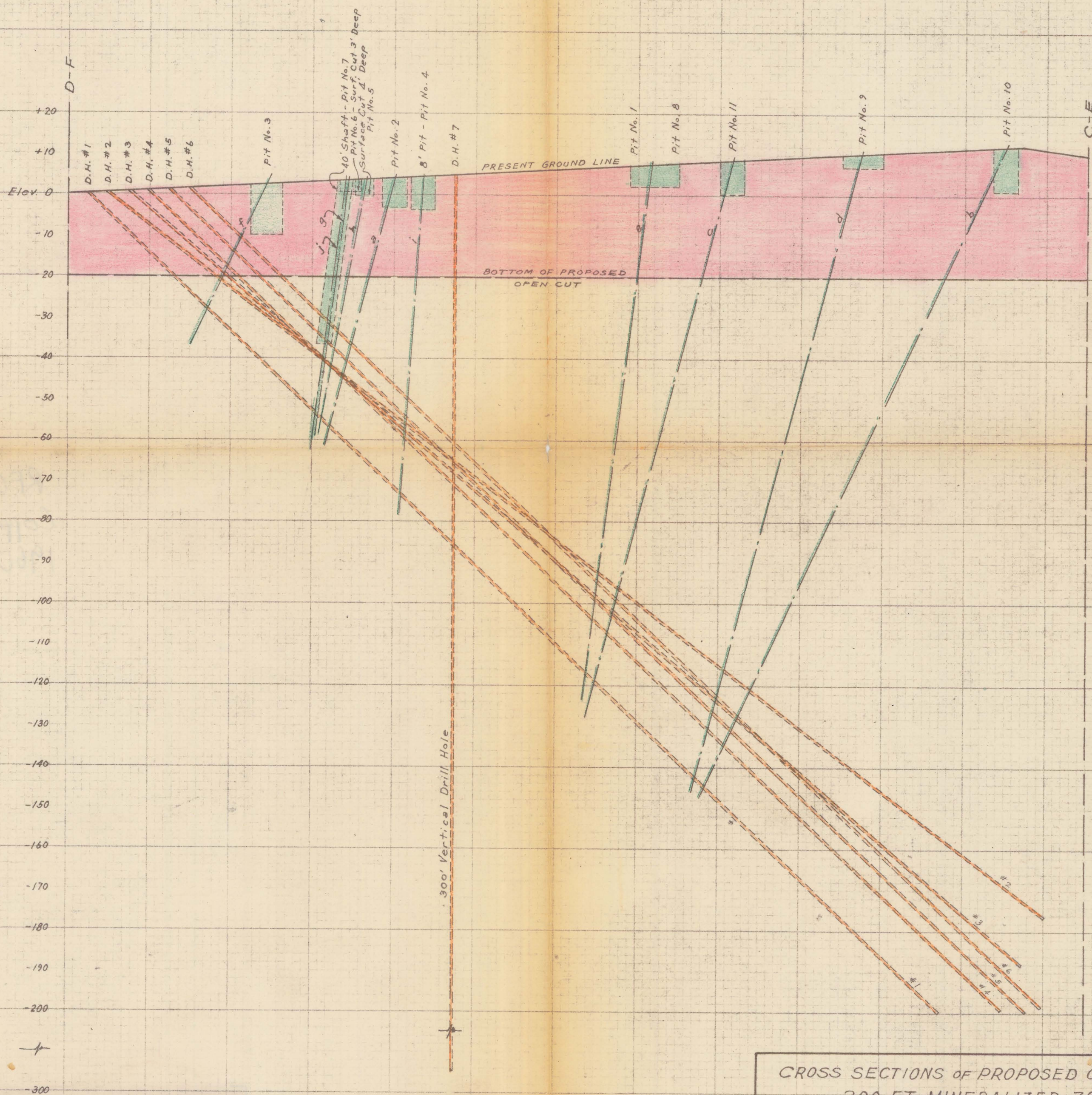
DOCKET NO. 6219



SECTION C-E



SECTION D-F



SECTION Q-R

COLOR CODE

Proposed Excavation
Ledges - Pits
Proposed Drill Holes



Note: All drill holes are
300' in length.

CROSS SECTIONS OF PROPOSED OPEN CUT
200 FT. MINERALIZED ZONE
COPPER GIANT GROUP
AJO MINING DISTRICT, ARIZ.

LOTTA I. HUNTER PROPERTY

Scale: 1" = 20'

June 1947

DOCKET NO. 6219