



CONTACT INFORMATION
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AMCO EXPLORATION, INC.

61 BROADWAY
NEW YORK 6, N.Y.

SALT LAKE OFFICE
912 KEARNS BUILDING
SALT LAKE CITY 1, UTAH

TORONTO OFFICE
68 YONGE STREET
TORONTO 1, CANADA

TGM/lw
July 13, 1953

Mr. Howard Twitty
Gynn & Twitty
Title & Trust Bldg.
Phoenix, Arizona

Dear Howard:

Thanks very much for your letter of
July 10 enclosing the Affidavit of Labor cover-
ing the Slugger Group of Claims near Humboldt,
Arizona.

Kindest regards,

Sincerely yours,

Thomas G. Moore

cc: Mr. E. N. Pennebaker ✓

COPY

July 30, 1953

Howard A. Twitty, Esq.
Messrs. Gynn & Twitty
Title & Trust Bldg.
Phoenix, Arizona

Dear Mr. Twitty:

Supplementing our letter of May 27th, we enclose herewith a certified copy of a resolution adopted by the Board of Directors of this Corporation at its meeting held on July 28, 1953, approving, ratifying and confirming the action of the Executive Officers of the Corporation in executing, acknowledging and delivering to Amco Exploration, Inc. under date of May 26, 1953 a deed to nineteen unpatented lode mining claims located in the Big Bug Mining District in Yavapai County, Arizona.

Yours very truly,

Original signed by
C. L. Steegar

encl.
cls/ew

cc - CDTripp, Chicago
AJO'Connor, Kimberly
TGMoore, Amco, New York
ENPennebaker, Arizona ✓

LAW OFFICES
GUYNN & TWITTY
TITLE & TRUST BUILDING
PHOENIX, ARIZONA

July 10, 1953

C. LEO GUYNN
HOWARD A. TWITTY

C
O
P
Y

Mr. Thomas G. Moore, Vice President
AMCO Exploration, Inc.
61 Broadway
New York 6, New York

Dear Tom:

Enclosed is the Affidavit of Labor covering the Slugger group of mining claims located near Humboldt, in the Big Bug Mining District, Yavapai County, Arizona.

You will note that this Affidavit has been duly recorded, and this original is forwarded to you for your file.

Sincerely yours,

GUYNN & TWITTY

By *Howard A. Twitty*

HAT:ec
Enclosure

cc: Mr. E. N. Pennebaker

AFFIDAVIT OF LABOR PERFORMED
AND IMPROVEMENTS MADE

STATE OF ARIZONA)
County of Maricopa) ss.

E. N. PENNEBAKER, being first duly sworn, deposes and says:

That he is a citizen of the United States, and a resident of Maricopa County, State of Arizona; that he is more than twenty-one years of age, and is presently employed with AMCO EXPLORATION, INC., a Delaware corporation, and is personally acquainted with the nineteen (19) unpatented lode mining claims mentioned below.

That said mining claims were heretofore located by CONSOLIDATED COPPERMINES CORPORATION, a Delaware corporation, and said mining claims have heretofore been transferred to AMCO EXPLORATION, INC. That said nineteen (19) unpatented lode mining claims are located in the Big Bug Mining District, Yavapai County, State of Arizona, and constitute a single group of contiguous mining claims. That the Location Notices of said nineteen (19) unpatented lode mining claims are recorded in the office of the County Recorder of Yavapai County, State of Arizona, in the Book of Mines and at the page set opposite the respective mining claims:

<u>NAME OF CLAIM</u>	<u>BOOK OF MINES</u>	<u>PAGE</u>
Slugger No. 1 (Original)	159	239
Slugger No. 1 (Amended)	131	244
Slugger No. 2 (Original)	159	240
Slugger No. 2 (Amended)	131	245
Slugger No. 3 (Original)	159	241
Slugger No. 3 (Amended)	131	246
Slugger No. 4 (Original)	159	242
Slugger No. 4 (Amended)	131	238
Slugger No. 5 (Original)	159	243
Slugger No. 5 (Amended)	131	247
Slugger No. 6 (Original)	159	244
Slugger No. 6 (Amended)	131	248
Slugger No. 7 (Original)	159	245
Slugger No. 7 (Amended)	131	239

<u>NAME OF CLAIM</u>	<u>BOOK OF MINES</u>	<u>PAGE</u>
Slugger No. 8 (Original)	159	246
Slugger No. 8 (Amended)	131	249
Slugger No. 9 (Original)	159	247
Slugger No. 9 (Amended)	131	250
Slugger No. 10 (Original)	159	248
Slugger No. 10 (Amended)	131	251
Slugger No. 11 (Original)	159	249
Slugger No. 11 (Amended)	131	240
Slugger No. 12 (Original)	159	250
Slugger No. 12 (Amended)	131	241
Slugger No. 15 (Original)	159	342
Slugger No. 15 (Amended)	131	252
Slugger No. 16 (Original)	159	343
Slugger No. 16 (Amended)	131	253
Slugger No. 17 (Original)	159	344
Slugger No. 17 (Amended)	131	254
Slugger No. 18 (Original)	159	385
Slugger No. 18 (Amended)	131	255
Slugger No. 19 (Original)	159	345
Slugger No. 19 (Amended)	131	256
Slugger No. 20 (Original)	159	346
Slugger No. 20 (Amended)	131	257
Slugger No. 21 (Original)	159	347
Slugger No. 21 (Amended)	131	258

This Affidavit is to evidence the performance by AMCO EXPLORATION, INC. of the annual work requirements under the laws of the United States for said nineteen (19) unpatented lode mining claims. That said AMCO EXPLORATION, INC., during the period from June 1 to June 18, 1953, was the owner of said mining claims, and during said time caused labor and improvements to be performed on said mining claims pursuant to a general plan of developing all of said mining claims as a unit. That said work and improvements consisted of the drilling of a diamond drill hole costing \$2,115.50 on Slugger No. 4 near the common sidelines of Slugger No. 4 and Slugger No. 2, and approximately 480 feet northeasterly from the southwest corner of Slugger No. 2. That said diamond drill hole

was drilled at an angle, causing it to penetrate into Slugger No. 2 unpatented lode mining claim. That in addition to said diamond drilling, AMCO EXPLORATION, INC. expended further sums in the preparation of the road, and in moving equipment to the site of the diamond drilling. That said work was performed by R. S. McCLINTOCK COMPANY, which company performed said work as contractor for AMCO EXPLORATION, INC. That the employees who were employed by R. S. McCLINTOCK COMPANY for the performance of said work are: Supervisor - M. B. WEAVER; Foreman - J. A. GREENWOOD; Driller - W. R. ALLRED; and Helper - SAM OLSEN.

That the above described labor and improvements were at the expense of AMCO EXPLORATION, INC., and were performed for the purpose of complying with the laws of the United States pertaining to assessment or annual work. That no part of said labor and improvements includes location work for said mining claims, and that all of said labor and improvements were performed, as above stated, during the period from June 1 through June 18, 1953.

E. N. Pennebaker

Subscribed and sworn to before me this 29th day of June, 1953.

Howard A. Twitty
Notary Public

My commission expires:

June 1, 1954.

STATE OF ARIZONA, County of Yavapai: ss.

I do hereby certify that the within instrument was filed and recorded at request of GUYNN & TWITTY on July 1, A.D. 1953 at 9:00 A.M., Book 17 Official Records, Page 592-593-594, Records of Yavapai County, Arizona.

WITNESS my hand and official seal the day and year first above written.

GRACE CHAPMAN, County Recorder,
By F. C. BAUER, Deputy.

0-5-	5'-3½"	=	5 × 6.00	=	30.00
5-20-	15' NX		15 × 5.40	=	81.00
20-100-	80' BX		80 × 4.90	=	392.00
100-400-	300' AX		300 × 5.00	=	1,500.00
					<hr/>
					2,003.00

4

1,900

4.75
<hr/>
150
<hr/>
23750
475
<hr/>
712.50

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Co Hole No. #1
Shift 8 a.m. to 4 p.m. Date June 2 19 53
Actual Drilling Time 8 hrs Machine No. _____
Depth of Hole Start of Shift 0 Depth End of Shift 20'
Distance Drilled 20' 3 1/2" Distance Reamed _____
FEET SIZE FEET SIZE
Estimated Core Saved 10' Cement Drilled _____
FEET FEET SIZE
Bit No. _____ Footage _____ Bit No. _____ Footage _____
Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>0'</u>	<u>5'</u>	<u>3 1/2 Schist</u>
<u>5'</u>	<u>20'</u>	<u>20X</u>

Remarks: Connected 5' of stand pipe
in hole. 20' of 20X casing in
hole.

Inspector or Foreman Russell & Wilson
(SIGNATURE)

Helper Sam Olsen Runner W. P. Alford
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Job Hole No. #1

Shift 8 am to 4 pm Date June 3 1953

Actual Drilling Time 8 hrs Machine No. _____

Depth of Hole Start of Shift 20' Depth End of Shift 73'

Distance Drilled 53' Bx Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 50' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>20'</u>	<u>73'</u>	<u>Bx schist</u>

Remarks: drilled topsoil

Inspector or Foreman Greenwood (SIGNATURE)
Helper Sam Olson Runner W. K. Alford (SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Job Hole No. #1

Shift 8: am to 4 pm Date June 24 1953

Actual Drilling Time 8 hrs Machine No. _____

Depth of Hole Start of Shift 73' Depth End of Shift 100'

Distance Drilled 27' BY Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 27' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>73'</u>	<u>100'</u>	<u>BY Schist.</u>

Remarks: cased hole of To 100'
ax, put down cement
cartridge. 2 hrs worked on well

Inspector or Foreman _____ (SIGNATURE)

Helper Sam Olson Runner W. P. Bell
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job Ans M Co. Job Hole No. #1

Shift 8:00 am to 2:00 pm Date June 5th 19

Actual Drilling Time 8 hrs Machine No.

Depth of Hole Start of Shift 100' Depth End of Shift 149'

Distance Drilled 49' AX Distance Reamed
FEET SIZE FEET SIZE

Estimated Core Saved 47' Cement Drilled
FEET FEET SIZE

Bit No. Footage Bit No. Footage

Shell No. Footage Shell No. Footage

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>100'</u>	<u>149' AX</u>	<u>Schist.</u>

Remarks: Drilled out cement
cartridge. 1 hr.

Inspector or Foreman (SIGNATURE)

Helper Sam Olsen Runner W.R. Alhed
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Job Hole No. #1

Shift 8:00 am to 4:00 pm Date June 6 1933

Actual Drilling Time 8 hrs Machine No. _____

Depth of Hole Start of Shift 149' Depth End of Shift 200

Distance Drilled 51' 9x Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 50' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>149'</u>	<u>200'</u>	<u>OR schist</u>

Remarks: _____

Inspector or Foreman _____ (SIGNATURE)

Helper Sam Olson Runner W. A. Allard
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A.M. Co Job Hole No. #1

Shift 8:00 am to 4 pm Date June 8th 1953

Actual Drilling Time 8 hrs Machine No. _____

Depth of Hole Start of Shift 200' Depth End of Shift 250'

Distance Drilled 50' ax Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 48' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>200'</u>	<u>250'</u>	<u>ax schist</u>

Remarks: _____

Inspector or Foreman _____

Helper Sam Olsen Runner W.A. Clark
(SIGNATURE) (SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Job Hole No. #1
Shift 8 am to 4 pm Date June 9 19 53
Actual Drilling Time 2 hrs Machine No. _____
Depth of Hole Start of Shift 250' Depth End of Shift 300'
Distance Drilled 50' ax Distance Reamed _____
FEET SIZE FEET SIZE
Estimated Core Saved 50 Cement Drilled _____
FEET FEET SIZE
Bit No. _____ Footage _____ Bit No. _____ Footage _____
Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>230'</u>	<u>300'</u>	<u>ax schist</u>

Remarks: Dropped 7' of core in hole last run.

Inspector or Foreman _____ (SIGNATURE)
Helper Sam Olsen Runner W. R. Allred
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job Q M Co Job Hole No. 1

Shift 8 am to 4 pm Date June 10 19 53

Actual Drilling Time 9 hrs Machine No. _____

Depth of Hole Start of Shift 300' Depth End of Shift 340'

Distance Drilled 40' OX Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 40' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>300'</u>	<u>340</u>	<u>OX Schist.</u>

Remarks: Core drilled 4' of core

Inspector or Foreman _____

(SIGNATURE)

Helper Sam Olsen Runner W. P. Alford

(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Job Hole No. #1

Shift 8 am to 4 pm Date June 11 1933

Actual Drilling Time 8 hrs Machine No. _____

Depth of Hole Start of Shift 340' Depth End of Shift 370'

Distance Drilled 30' 9x Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 30' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>340'</u>	<u>370'</u>	<u>01 Schist</u>

Remarks: Very hard quartz
seams tough on cor.

Inspector or Foreman _____ (SIGNATURE)

Helper Sam Olsen Runner W. P. Alford
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job O N Co Job Hole No. _____

Shift 8:00 am to 4:00 pm Date June 12th 1953

Actual Drilling Time 8 hrs Machine No. _____

Depth of Hole Start of Shift 370' Depth End of Shift 395'

Distance Drilled 25' ax Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 24' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
370'	395'	ax schist

Remarks: 2 1/2 hrs engaging 400
feed gear on head & repairing
pump magnets. 5 1/2 hrs drilling

Inspector or Foreman _____ (SIGNATURE)

Helper Sam Olsen Runner W. R. Allred
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A. M. Co Job Hole No. 1
Shift 8 a.m. to 4 p.m. Date June 13 1953
Actual Drilling Time 3 hrs Machine No. _____
Depth of Hole Start of Shift 395' Depth End of Shift 425'
Distance Drilled 30' ax Distance Reamed _____
FEET SIZE FEET SIZE
Estimated Core Saved 25' Cement Drilled _____
FEET FEET SIZE
Bit No. _____ Footage _____ Bit No. _____ Footage _____
Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
395'	425'	ax schist

Remarks: _____

Inspector or Foreman _____ (SIGNATURE)
Helper Sam Olson Runner W. R. Allard
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Job Hole No. _____

Shift 8:00 am to 4:00 pm Date June 15 1953

Actual Drilling Time 8 hrs Machine No. _____

Depth of Hole Start of Shift 425 Depth End of Shift 430

Distance Drilled 5' ax Distance Reamed _____
FEET SIZE FEET SIZE

Estimated Core Saved 5' Cement Drilled _____
FEET FEET SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
<u>425'</u>	<u>430'</u>	<u>ax schist</u>

Remarks: Completely over haul job
ax pump magnets finished
hole partly torn down set up

Inspector or Foreman _____ (SIGNATURE)

Helper Sam Allen Runner W. R. Allen
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job A M Co Job Hole No. _____

Shift 8:00 am to 4:00 pm Date June 16 1953

Actual Drilling Time 2 hrs Machine No. _____

Depth of Hole Start of Shift _____ Depth End of Shift _____

Distance Drilled _____ FEET _____ SIZE Distance Reamed _____ FEET _____ SIZE

Estimated Core Saved _____ FEET _____ Cement Drilled _____ FEET _____ SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION
		<u>Hole Complete.</u>

Remarks: 2 hrs Acid test
Pulled 100' ft A x casing
Pulled 20' ft B x casing
Hauled rods & casing to other job

Inspector or Foreman _____ (SIGNATURE)

Helper Sam Olsen Runner W. R. Alford
(SIGNATURE)

R. S. McCLINTOCK

Diamond Drill Contracting

418 W. Second Avenue

Spokane 7, Wash.

DAILY DIAMOND DRILL REPORT BY RUNNER

Job Q M Co Job Hole No. _____

Shift 8:am to 4:pm Date June 17 1953

Actual Drilling Time 2 hrs Machine No. _____

Depth of Hole Start of Shift _____ Depth End of Shift _____

Distance Drilled _____ FEET _____ SIZE Distance Reamed _____ FEET _____ SIZE

Estimated Core Saved _____ FEET _____ Cement Drilled _____ FEET _____ SIZE

Bit No. _____ Footage _____ Bit No. _____ Footage _____

Shell No. _____ Footage _____ Shell No. _____ Footage _____

Condition of Bit, Shell and Stones lost, if any:

FROM	TO	FORMATION

Job Completed

Remarks: Finished tearing down & moved to Jerry's mine job

Inspector or Foreman J. D. Greenwood (SIGNATURE)

Helper Sam Olsen Runner W. P. Alford (SIGNATURE)

Shop No. 2971
 File No. 494 PE

CHAS. A. DIEHL

Phone 3-4001

Phoenix, Arizona

Arizona Assay Office SEPT. 12, 1953

P. O. Box 1148

VALUES
 Latest Quotation

1 oz. Gold.....
 1 oz. Silver.....
 1 lb. Copper.....
 1 lb. Lead.....
 1 lb. Zinc.....

815 North First Street

MR. E. N. PENNEBAKER
 BOX 817
 SCOTTSDALE, ARIZONA

Short Ton - - - - 2000 Lbs.
 Short Ton Unit - - - - 20 Lbs.
 Long Ton - - - - 2240 Lbs.
 Long Ton Unit - - - 22.4 Lbs.

THIS CERTIFIES
 samples submitted for assay
 contain as follows:

M A R K S	SILVER PER TON		VALUE	GOLD PER TON		VALUE	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE				REMARKS
	Ozs.	Tenths		Ozs.	100ths							
	Trace			Trace								

Charges \$ 1.50 Paid

Assayer *[Signature]* ARIZONA ASSAY OFFICE

ARIZ. 53. No 1-

CORE DISCARDED to 100'

20-26 36" Recovered - Ox - greenish-gray
schist. $\delta = 46^\circ$

26-36 8' $\frac{1}{2}$ " Recovered. Ditto $\delta = 46^\circ$

36-43'4" 6'4" Rec. Ditto $\delta = 46^\circ$

43'4"-54' 11'4" Rec Light grayish green
Fine lam. Ox - $\delta = 46^\circ$
carb seams

54'-63' 8'6" Rec Ditto $\delta = 46^\circ$

63-73 10' Rec Ditto $\delta =$
Scattered Py appears
at 63'; $\delta = 46^\circ$

73-81 7' Rec. Ditto - Ox - $\delta = 43^\circ$

81-90'3" 9'3" Rec Ditto - Some ox $\delta = 41^\circ$

90'3"-100' 9'9" Rec Ditto Py at 99' $\delta = 38^\circ$

100'-106' 5' Recov. Thin-lam. greenish gray schist.
Chlor. Ser. gt streaks
Carb streaks. Py grains
Light ox- $\Delta = 39^\circ$

*
106-117 10' 9" Rec. Ditto $\Delta 27^\circ$ *
FORMATIONAL FLATTENS $\pm 10^\circ$?

117'-127'3" ± 1 " Py, Ser. & gt at $\pm 170'$
10' 3" Recov. Ditto $\Delta 32^\circ$

127'3"-137'11" 9' 3" Recov Ditto $\Delta 33^\circ$

137'11"-148'-10" 10' Recov Ditto $\Delta 26^\circ$

148'10"-159 9' 6" Recov. Ditto $\Delta 23^\circ$

159-169' 9' Recov. Ditto $\Delta 36^\circ$ //

169'-179' 10' Recov Ditto, Patches of gtz &
carb. @ 170 & 173
 $\Delta 20^\circ$

179'-189'-9" 10' 6" Recov Ditto $\Delta 25^\circ$ - 1" gt @ 188' 6"

188'9"-200 10' 6" Recov Ditto $\Delta 25^\circ$

200'-210'	9'6" Recov.	Grayish-green, thin lam schist. Patches of g ⁺ & carb. Minor scattered Py Light ox. X 24°
210-220'	10' Recov.	Ditto X 23°
220'-230'4"	10' Recov	Ditto X 22°
230'4"-236'6"	6'2" "	Ditto X 18°
236'6"-240'6"	4' "	Ditto X 26°
240'6"-250'6"	8'6" Recov	Ditto X 18°
250'6"-260'	6'6" Recov	Ditto g ⁺ carb @ 258° X 20°
260'-268'	6'2" Recov	Ditto X 21° // Scattered g ⁺ carb
268'-270'6"	1'10" Recov	Ditto
270'6"-280'	9'6" Recov	Ditto X 16°
280'-282'6"	2'4" Recov	Ditto
282'6"-289'	6'6" Recov	Ditto X 13°
289-300	6' Recov	Ditto X 13°

(4)

300'-301	10" Recov	} No of Very little Py Greenish-gray, thin-lam ∠ 20°
301'-308'	5'10" Recov.	
308'-317'6"	7'4" Recov	Ditto ∠ 15°
317'6"-319'	15" Recov.	Ditto
319'-330'6"	10'6" Recov	Ditto ∠ 13°
330'6"-332'6"	18" Recov	Ditto
332'6"-341'	8' Recov	Greenish-gray ∠ 13°
341'-346'9"	4' Recov	Ditto. ∠ 14°
346'9"-350'	3' Recov.	349'2"-350' Pya Ser. *
350'-360'	10' Recov	350'-353' Pya Ser ∠ 20° 358'-360 Abt Qtz Calc
360'-370'	7'10" Recov	362-363 Pya Ser ∠ 15°
370'-374'	4' Recov.	Gray schist ∠ 14°
351" to 353' Assayed		

374-380 6' Recov. Thin-lam. greenish-gray schist
Abt. very fine grained
scattered py. $\angle 14^\circ$

380-390 7'6" Recov. Ditto - Uneven minor
scattering of py.
1 1/2" Qtz @ 390 assae.
with minor gray
sulf. $\angle 13^\circ$

390-400 3'6" Recov. Ditto - Scattered Py
 $\angle = 12^\circ$

400-410' 8'4" Recov. Ditto, Very little Py
 $\angle 12^\circ$

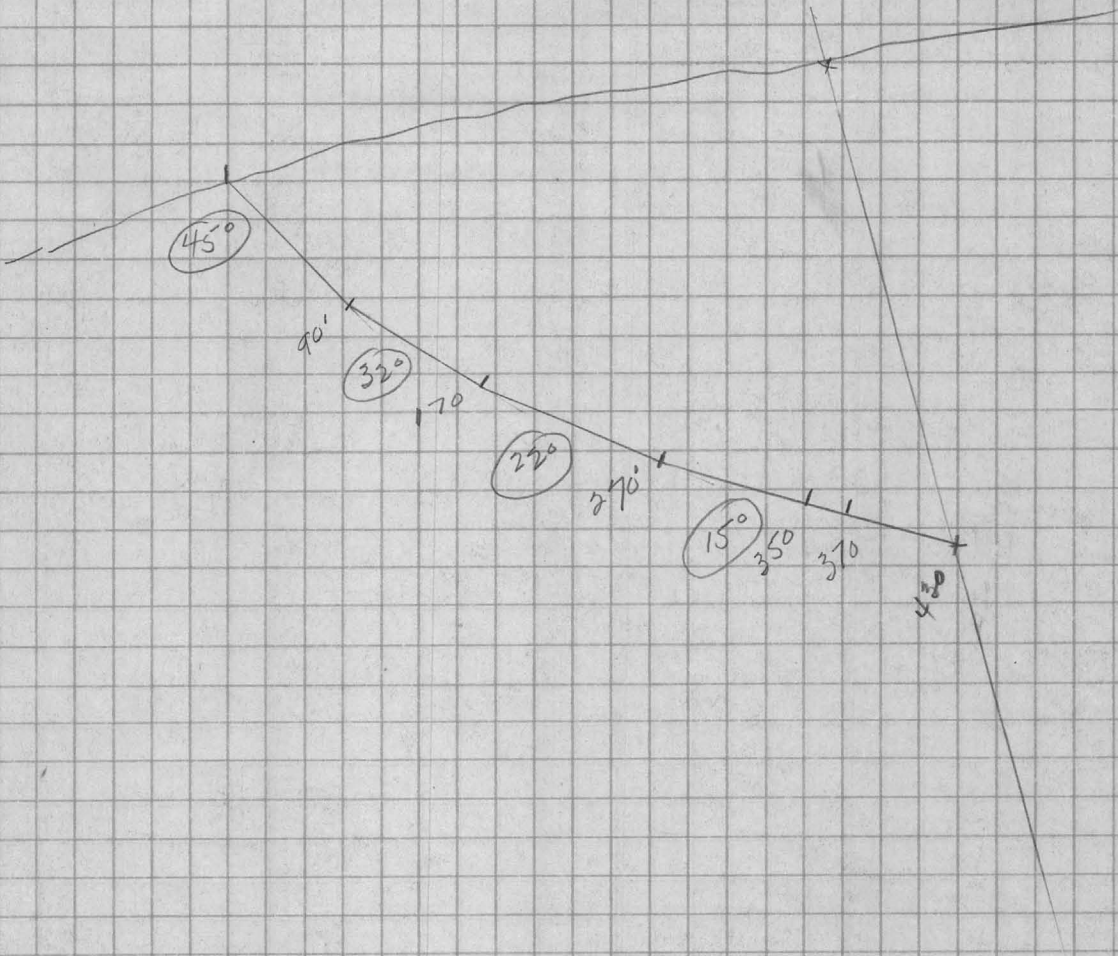
410-420' 3'8" Recov. Ditto $\angle 11^\circ$

420-430 9' Recov Ditto $\angle 12^\circ$

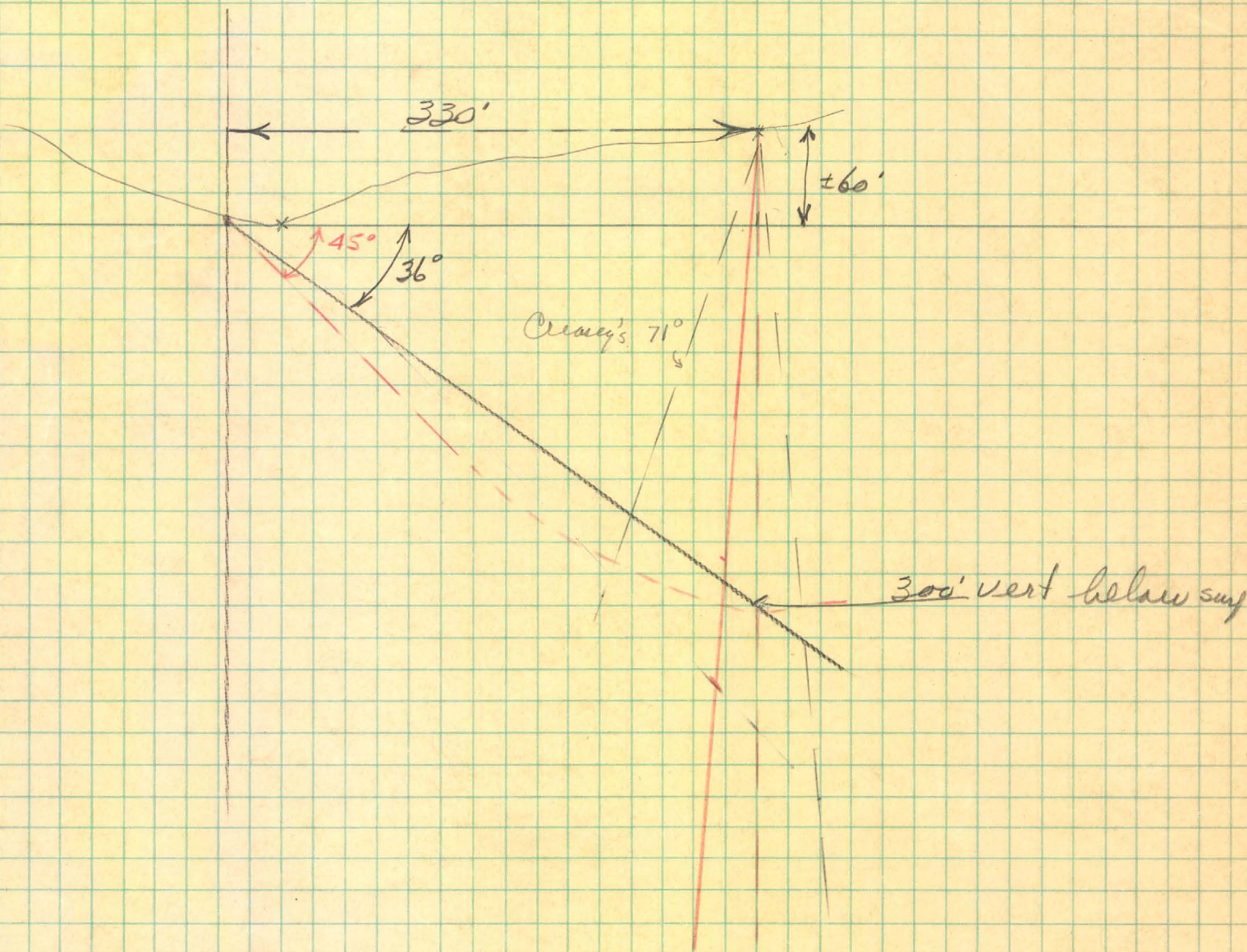
BOTTOM

Acid Etch @ 430' gives
corrected \angle of dip = $17 \frac{1}{2}$

Hence formation dips $\pm 85^\circ W$



1" = 100'





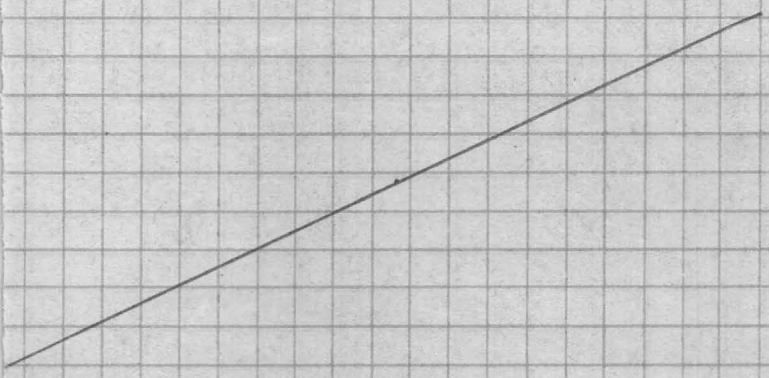
~~25°~~

23°

17°

True 19°

±22°



Bottom Sheet

MINING CLAIMS

NO.	NAME	SURVEY
1	CHAMPAGNE	
2	BIG FOUR	
3	ENGLISH COIN	
4	2ND INDEPENDENCE	
5	INDEPENDENCE	
6	3RD INDEPENDENCE	
7	AUSTRALIAN MINE	
8	KEYSTONE	
9	BUCKEYE	
10	OMAHA MINE	3683
11	CHAS. DAVIS	"
12	GUARANTEE	"
13	GOLD STANDARD	"
14	COUSIN JANE	3682
15	ANNE LOUISE	"
16	STAMBO KING	"
17	SMUGLER	2279
18	READ STAR	"
19	ELDORADO	"
20	WILLOW TREE	1601
21	GOLD NUT	"
22	GOLD LEAF	"
23	WALTER	3960
24	AGUA FRIO NO. 2	24
25	IRON KING EXT. NO. 1	1855
26	WESTERN COPPER	1714
27	BONANZA	"
28	SURE THING	"
29	EASTERN COPPER	"
30	COPPER PLATTER	"
31	LIME ROCK	"
32	IRON KING	"
33	COPPER CHIEF	"
34	COPPER PRINCE NO. 1	"
35	COPPER PRINCE	"
36	COPPER MOUNT	"
37	COPPER VAN	"
38	COPPER PEACH	"
39	COPPER READE	"
40	NEW ROAD	"
41	COPPER PRINCE NO. 2	"
42	COPPER PRINCESS	"
43	COPPER ROAD	"
44	COPPER DYKE	"
45	COPPER PRODUCE	"
46	GOODYEAR MILL SITE	339 2B
47	CABINET SILVER	1293
48	SILVER BELT	697
49	ARIZONA	3392A
50	JIM CROW NO. 2	1956
51	OLIPHANT	1611
52	KINGSLEY	"
53	LADY ALDE	"
54	FRACTIONAL	"
55	CLEVELAND	"
56	JIM CROW	1265
57	COLUMBUS	1635
58	MC. CABE	1158
59	MONOPOLIST	1242
60	SINK TO RISE	813
61	GLADSTONE	1159
62	EVA	2235
63	GLADSTONE WESTERLY EXTENSION	1160
64	LITTLE KICKER	1498
65	REBEL	1500
66	SUNOL	2064
67	PALO ALTO	"
68	COLUMBIA	1878
69	INDEPENDENCE	7
70	BETTIE	3988
71	LITTLE JESSIE	1125
72	ELLA	1129
73	ARROYO	2624
74	NEW YEAR	1499
75	OPPORTUNITY	"
76	DIVIDEND	7
77	REPUBLIC NO. 1	1772
78	BIG BUG	8
79	GOPHER	6
80	SILVERTON	159
81	YANKE GIRL	"
82	INVINCIBLE	"
83	AMERICAN FLAG	"
84	TRINITY	"
85	HENRIETTA MILL SITE	"
86	PRINCES PLACER	1538
87	MONTEZUMA	3234
88	EAGLE FRACTION	"
89	BRUSHY FLAT	"
90	HURON NO. 2	"
91	SWINDLER	"
92	HURON NO. 1	"
93	VICTOR	3454
94	HURON	1673
95	MONTEZUMA	"
96	CORPORAL	1747
97	LONE PINE	"
98	ADMIRAL	"
99	LITTLE MAY	1701
100	AQUA FRIA MILL SITE	109
101	VICTORY NO. 2 MILL SITE	3022B
102	MOUNTAIN QUEEN	2398

Top of North Sheet

via River

PATENTED MINERAL CLAIMS			
SUR. NO.	NAME	AREA-Acres	REMARKS
908	Boggs	L. 20.657	In sec. 4
912	Mattie	" 20.661	" " 4
1245	Onyx No 1	Pl. 14.57	" " 22
1245	" " 2	" 14.57	" " 22
1245	" " 3	" 14.57	" " 22
1245	" " 4	" 14.57	" " 22
1245	" " 5	" 19.64	" " 22
1245	" " 6	" 15.49	" " 22
1245	" " 7	" 16.61	" " 22
1245	" " 8	" 19.61	" " 22
1245	" " 9	" 16.61	" " 22
1245	" " 10	" 14.57	" " 22
1245	North Onyx	" 20.39	" " 22 & sec. 23
1263	Old Joe No 2	" 15.53	" " 22
1263	Bertie " 2	" 16.06	" " 22
1263	Mamie " 2	" 19.82	" secs. 22 & 27
1263	Pollygon " 2	" 17.88	" " 22, 23 & 27
1263	Bell " 2	" 15.28	" sec. 22
1263	Jickey " 2	" 15.59	" " 22
1263	Martie " 2	" 19.82	" secs. 22 & 27
1292	Star Placer	" 160.00	" sec. 16
1434	Mascott	L. 20.661	" " 5
1434	Butternut	" 20.661	" secs. 5 & 8
1633	Martin	" 20.657	" sec. 4
1633	Putnam	" 20.657	" " 4
1633	Logan	" 20.554	" " 4
1633	Iron Queen	" 20.554	" secs. 4 & 9
1633	Dailey	" 20.554	" " 4 & 9
1633	Demond	" 20.325	" " 4 & 9
1633	Iron King	" 20.325	" sec. 9
1633	Hubbard	" 20.325	" sec. 9
1745	Copper	" 20.172	" " 25
1745	Carbine	" 20.661	" secs. 25 & 36
1769	Grand Central	" 20.59	" sec. 6 & Tp. W.
1769	Yankee Boy	" 20.36	" " 6 & " "
1788	Big Bug No 1	Pl. 17.017	" " 22
1788	" " 2	" 12.593	" " 22
1788	" " 3	" 17.017	" " 22
1788	" " 4	" 17.017	" secs. 15 & 22
1788	" " 5	" 14.572	" sec. 22
1788	" " 6	" 13.885	" " 22
1788	" " 7	" 12.408	" " 22
1788	" " 8	" 17.017	" secs. 15 & 22
1788	" " 9	" 17.017	" " 15 & 22
1798	Walter Noe Placer	" 7.15	" " 23, 26 & 27
1798	Placer Claim No 1	" 18.49	" sec. 26
1798	" " No 2	" 14.15	" secs. 23 & 26
1835	Fair Mist Placer	" 18.16	" " 22 & 27

HOMESTEAD ENTRIES.

NO	ENTRYMAN	AREA-Acres	STATUS
41	Wm. P. Murphy	53.23	Survey approved Mar. 1, 1910.
42	William H. M. Michael	22.00	" " Nov. 21, 1910.
43	Edward I. Long	25.00	" " May 13, 1910.
60	Alphonse Lessard	122.07	" " April 26, 1911.
62	George Whittaker	71.55	" " March 18, 1912.

Inserts

LIST OF MINERAL CLAIMS.

Survey No. 909	Hackberry	Lode
" 1245	North Onyx	"
" 1292	Star	Placer
" 1434	Butternut	Lode
" 1788	Big Bug No. 9	"
" " "	Big Bug No. 8	"
" " "	Big Bug No. 4	"
" 3446	Carbine	"
" " "	South Carbine	"
" 3686	Rail Road	"
" 3768	Protection XII	"
" " "	West Side 1	"
" " "	Grape Vine 11	"
" " "	Good Luck No. 5	"
" " "	Good Luck No. 4	"
" " "	Good Luck No. 3	"
" " "	Good Luck No. 2	"

CONSOLIDATED COPPERMINES CORPORATION

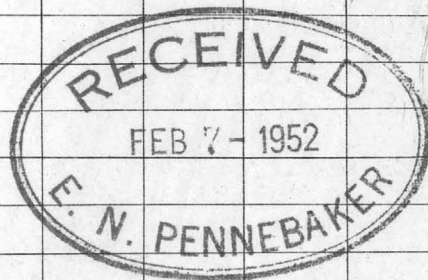
ASSAY CERTIFICATE

Humboldt
Loc. Work
Geological Department (Ludden, Prescott)

KIMBERLY, NEVADA, Feb. 5, 1952

19

NO.	DESCRIPTION	TON-2000 LBS.		PER CENT COPPER	PER CENT INSOL	PER CENT IRON	PER CENT CAO	PER CENT AL 2O3	PER CENT S	PER CENT PB	PER CENT	PER CENT
		OZS. GOLD	OZS. SILVER									
4244		Trace	Trace							Trace		
45		Trace	Trace							Trace		
46		Trace	Trace							Trace		
46 51		Trace	Trace							Trace		



Lewis Mathis

CHIEF CHEMIST

November 19, 1951

Mr. Chester D. Tripp
President
Consolidated Coppermines Corporation
310 South Michigan Avenue
Chicago 4, Illinois

Dear Chester:

You will recall that several weeks ago I mentioned a block of ground south of Prescott, Arizona, that had attracted our favorable attention. Mr. Jenney of the Metal Company visited the area with me, and we agreed that certain property should be picked up to investigate more closely by geological and geophysical methods to see if it warranted drilling. The more promising ground is about 1½ miles south of the Iron King mine, which is a profitable medium-sized producer of zinc and lead with substantial amounts of gold and silver. So far as we presently know, veins of the Iron King type only occur at Iron King and in the area immediately to the south and are associated with a local development of quartz diorite that seems to be similarly limited in distribution.

Mr. Twitty has gone into the matter of property ownership and has found that property groups east of the Black Canyon highway have been brought together by one Fred Gibbs to make up a "package deal" for some unknown mining company. This section seems to have been tied up tight, and we suspect that New Jersey Zinc is behind the deal. This company has had a geological staff in the district for around two years and apparently has just picked this ground. This is the better section and displays several promising veins.

West of the highway, to the best of our knowledge, the ground is open for location. There is one good-looking vein outcropping here (and perhaps another one, according to Sharp, on the west). Consequently, we have recently located 12 claims in this section. We shall wait a month to see if anyone else might claim this ground by prior location and then we shall do the necessary location work and put up the monuments.

Mr. Chester D. Tripp - Page 2 - November 19, 1951

Then I propose that we go ahead with our general scouting out of Prescott and wait and see what our neighbors across the highway do. If they drill, we may get some valuable free information. Or they may pull out and we may get a chance to option their ground, provided we still want it. Next spring when the weather is good, we can map the detailed geology and do some self-potential geophysical work and determine whether our claims warrant a few drill holes.

Naturally, we are disappointed in not being able to tie up all of the veins, but we have obtained a foothold in the area at low cost (provided no prior locators contest our claim staking.) There is some satisfaction, however, in seeing our system of scouting lead to a promising area in a short time whereas it would appear that it took the New Jersey Zinc crew a couple of years to select the same section.

Yours very truly,

ENP:mc

cc - Mr. C. L. Steegar
Mr. A. J. O'Connor
Mr. J. Frank Sharp
Mr. Thomas G. Moore

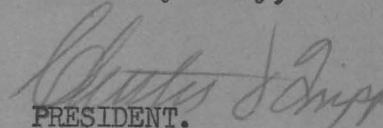
FROM Chester D. Tripp, President
TO Mr. E. N. Pennebaker
SUBJECT Copies to Mr. Thomas G. Moore
Mr. A. J. O'Connor
Mr. C. L. Steegar

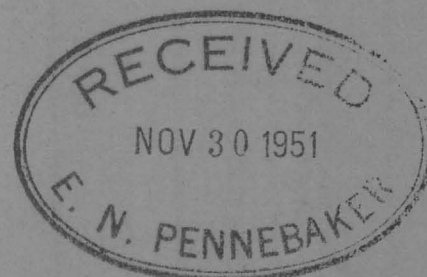
CITY Chicago
DATE November 21, 1951.

Dear Penney,

Your work in the Prescott Arizona area sounds interesting. I would consider very favorably an arrangement where we can get an area at a nominal cost and then watch the other fellow develop the adjoining possibilities.

Yours very truly,


PRESIDENT.



LAW OFFICES
GUYNN & TWITTY
TITLE & TRUST BUILDING
PHOENIX, ARIZONA

November 9, 1951

C. LEO GUYNN
HOWARD A. TWITTY

Mr. E. N. Pennebaker
Consolidated Coppermines Corporation
P. O. Box 817
Scottsdale, Arizona

Dear Penny:

The enclosed list gives all the properties which the County of Yavapai has purchased for taxes and on which bids may be made for the purchase of the same.

Also, the enclosed Township Plat covers Township 10 North, Range 1 East; Township 10 North, Range 1 West; Township 11 North, Range 1 West and Township 11 North, Range 1 East. These townships include part of the Pine Grove Mining District, also known as Turkey Creek, and Peck. For each section which is checked there are mineral survey plats on file with the Public Land and Survey Office.

With kind personal regards, we
remain

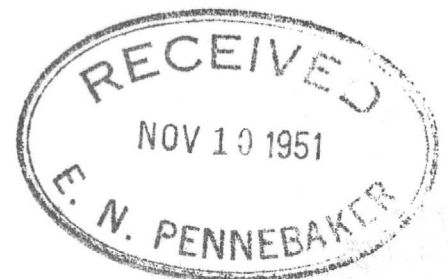
Very truly yours,

GUYNN & TWITTY

By



HAT/mch
Enclosures



DESCRIPTION: Lot 23, Block 1, Wells Addition, Humboldt. (a) 1930-98 FRANK LASHLEY (b) \$31.28.

DESCRIPTION: Lot 7, NELY 3' Lot 8, Block E, No. 6 Claim, Jerome. (a) 1945-30 EVA LUGO (b) \$176.19.

DESCRIPTION: Lots 7, 8, 9 and 10, Block 2, Placer Addition, Humboldt. (a) 1929-260 J. J. MONTOYA (b) \$109.27.

DESCRIPTION: Lots 29, 30 and 31, Block 9, Wells Addition, Humboldt. (a) 1929-277 MRS. E. T. MINER (b) \$190.71.

DESCRIPTION: Lots 15 and 16, Block 1, Placer Addition, Humboldt. (a) 1929-286 MARIE L. MORENO (b) \$25.25.

DESCRIPTION: Lot 22, Block 1, Hartsfield Addition, Humboldt. (a) 1931-272 MRS. E. T. MICHAEL (b) \$17.54.

DESCRIPTION: Lot 21, Block 1, Hooker Addition, Jerome. (a) 1934-276 MRS. M. I. METZLER (b) \$25.01.

DESCRIPTION: Lots 24 and 25, Block 4, Jerome. (a) 1938-116 MRS. CAMITA MORALES (b) \$262.58.

DESCRIPTION: Lot 22, Block 1, Hooker Addition, Jerome. (a) 1941-90 MRS. M. I. METZLER (b) \$27.02.

DESCRIPTION: Lot 11, Block 5, Smelter City. (a) 1943-20 JESUS MESA (b) \$38.79.

DESCRIPTION: Lots 11, 12 and 13, Block 2, Placer Addition, Humboldt. (a) 1929-296 MINNIE McNEIL (b) \$89.08.

DESCRIPTION: Lots 9 and 10, Block 3, Placer Addition, Humboldt. (a) 1932-307 G. B. McGARVEY (b) \$21.76.

DESCRIPTION: Lot 13, Block B, Wells Addition, Humboldt. (a) 1929-304 JOSE NUNEZ and/or JOSEPHINE PACO (b) \$51.26.

DESCRIPTION: Lot 100' x 108.7' in Pate Addition, Humboldt. (a) 1930-121 MRS. EMMA NEWMAN (b) \$28.58.

DESCRIPTION: Lots 9 and 10, Block 8, Hooker Addition, Jerome. (a) 1932-321 BERTIE OWNE (b) \$366.30.

DESCRIPTION: Lot on JIM CROW mining claim; Lot at McCabe; and Lot on COLUMBIA mining claim. (a) 1929-312 DR. C. E. PEARSON (b) \$29.44.

DESCRIPTION: Lots 2, 3, 4, 5, Block 13, Mayer. (a) 1945-46 A. I. POWERS (b) \$51.69.

DESCRIPTION: Lot on Rico Placer, Humboldt. (a) 1929-378 MARIE C. SMITH (b) \$15.22.

DESCRIPTION: Lot 6, Block 3, Stewart and Hood Addition, Cottonwood. (a) 1938-133 PROCLIANA C. OCHOA (b) \$15.48.

DESCRIPTION: Lots 27 and 28, Block 9, Wells Addition, Humboldt. (a) 1931-332 H. S. POOLE (b) \$36.11.

DESCRIPTION: Lots 3 and 5, Block 6, Willard Addition, Cottonwood. (a) 1936-164 CARMEN PEREZ (b) \$103.61.

DESCRIPTION: Lot 19, Block B, Wells Addition, Humboldt. (a) 1938-137 MRS. JOSEPHINE PACO (b) \$15.85.

DESCRIPTION: Lots 7 and 8, Block 3, Placer Addition, Humboldt. (a) 1929-342 LADISLADO RESENDEZ (b) \$60.94.

DESCRIPTION: Lots 19 and 20, Block 3, Placer Addition, Humboldt. (a) 1929-372 JOE B. SCHMIDT (b) \$152.04.

DESCRIPTION: Lot 14, Block 2, Placer Addition, Humboldt. (a) 1929-387 A. SAMLAR (b) \$21.74.

DESCRIPTION: Lot 8, Block B, Wells Addition, Humboldt. (a) 1929-406 PAULA SEQUERROS and/or MRS. THOMAS WHITE (b) \$83.35.

DESCRIPTION: Two Lots by M & B between Humboldt Township and Placer Addition, Humboldt. (a) 1931-393 MRS. E. STEWART (b) \$22.21.

DESCRIPTION: Lots 25 and 26, Block 8, Wells Addition; Lots 1, 2 and 15, Block 2, Placer Addition, Humboldt. (a) 1932-382 A. SAMLAR (b) \$129.81.

DESCRIPTION: Lots 9, 10 and 11, Block 7, Jerome. (a) 1932-403 JOHN M. SULLIVAN (b) \$2169.06.

DESCRIPTION: Lot 75' x 145', Pate Addition, Humboldt. (a) 1934-383 JOE STAMSEK (b) \$89.33.

DESCRIPTION: Sely 3' of Lot 29 and Lot 30, Block 15, Jerome. (a) 1935-298 JULIA SANDOR (b) \$44.90.

DESCRIPTION: Lot 3, Block 4, Cottonwood Addition, Cottonwood. (a) 1938-178 STATE OF ARIZONA and/or THOMAS B. JONES (b) \$23.23.

DESCRIPTION: Lots 3 to 11 and 1/2 int. Lot 12, Block 3; Lots 19, 20, 31, Block 8; Lot 13, Block 9; Lots 21, 22, Block 12; Lots 12, 13, 31, Block 13; Lot 2, Block 15; Lots 7, 8, 19, 20, Block 19; Lots 15, 31, Block 20; Lots 3 to 11, 20 to 24, Block 22; and Lots 2 to 11, 25 to 30, Block 23, Radley Subdivision, Cottonwood. (a) 1941-121 JOSEPH SALEM & CLARENCE H. KEELEY (b) \$328.72.

DESCRIPTION: Lot 16, Block 2, Placer Addition, Humboldt. (a) 1939-213 MRS. A. SAMLAR ESTATE (b) \$34.50.

DESCRIPTION: Lots 10 and 11 and W 22 1/2' of Lot 12, Block H, Jerome. (a) 1940-200 THEODORE L. SELNA (b) \$194.71.

DESCRIPTION: Lot 28 and NWly 22' Lot 29, Block 15, Jerome. (a) 1942-89 JULIA TOTH (b) \$38.43.

DESCRIPTION: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16, Block 17, and Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 and 21, Block 18, Radley's Subdivision, Cottonwood. (a) 1943-34 JULIA TOTH (b) \$307.34.

DESCRIPTION: Lot 6, Block B, Wells Addition, Humboldt. (a) 1944-36 DR. JOHN T. TAYLOR (b) \$7.73.

DESCRIPTION: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 24, 25, 26, 27, 28, 29, 30, 31 and 32, Block 5, and Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 and 32, Block 6, Radley's Subdivision, Cottonwood. (a) 1943-38 C. W. and FRANK H. VAUGHAN c/o A. J. NICOLAY (b) \$212.49.

DESCRIPTION: Lots 4, 5, Block 2; Lots 1, 12, 15 to 39, Block 6; Lots 1, 2, 3, 4, 8, 14 to 36, Block 7; Lots 23, 24, Block 8; Lots 5, 6, 7, 8, 10, Block 12; Lots 3, 8, 11, 12, 13, Block 13; Lots 3, 4 and 5, Block B, Wells Addition, Humboldt. (a) 1931-455 ELMER W. WELLS (b) \$609.80.

DESCRIPTION: Lots 11, 12, Block B, Wells Addition, Humboldt. (a) 1936-245 ELMER W. WELLS NO. 2 (b) \$38.74.

DESCRIPTION: Lot 7, Block B, Wells Addition, Humboldt. (a) 1940-227 ELMER W. WELLS NO. 1 (b) \$7.11.

DESCRIPTION: Lots 13 and 14, Block 6, and Lots 4, 5, 6 and 7, Block 13, Wells Addition, Humboldt. (a) 1940-237 C. P. WINGFIELD NO. 1 (b) \$58.72.

DESCRIPTION: Lots 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11, Block 6, Wells Addition, Humboldt. (a) 1943-41 ELMER W. WELLS (b) \$280.65.

DESCRIPTION: Lot 2, Block 2, Wells Addition, Humboldt. (a) 1929-467 HOMER ZETTLER (b) \$97.29.

MINING CLAIMS

DESCRIPTION: LAST CHANCE, LITTLE ROCK, HONEST GIRL (HONIST GIRL), FRANCES, EDDY (103.169) lode mining claims situate in the San Domingo Mining District. Patents of record in Book 64 of Deeds at pages 536-542 and 542-545. (a) 1937-1 ARIZONA MINING & MILLING CO. and/or G. C. E. M. BRADSHAW (b) \$487.68.

DESCRIPTION: BONANZA (20.66) and BONANZA 2 (BONANZA NO. 2) (20.66) (41.32) lode mining claims situate in the Black Hills Mining District. Patent of record in Book 63 of Deeds at pages 314-323. (a) 1938-10 EVERT BRECKENRIDGE and/or A. W. LESSARD (b) \$106.30.

DESCRIPTION: INDIA, REPUBLIC NO. 1, REPUBLIC NO. 2, SNOW STORM, BESSIE NO. 1 (75.00) lode mining claims situate in the Big Bug Mining District. Patent of record in Book 69 of Deeds at pages 253-258. (a) 1934-65 W. B. CURRY and/or A. T. ELWAIN (b) \$468.29.

DESCRIPTION: ALBEMARIE, ANACONDA, PLATTE BELLE (PLATA BELLE, PLATTA BELLE), EMPIRE and POLAR STAR (100.97) lode mining claims situate in the Pine Grove Mining District. Patent of record in Book 78 of Deeds at pages 444-450. (a) 1937-49. COLUMBIA METAL MINES CO. (b) \$334.33.

DESCRIPTION: KANSAS (20.66) BLACK HILL (BLACK HILLS), AL FRIER, LEDGE NO. 2, LEDGE NO. 1, LITTLE MAJOR, PRUDENTIAL, BROWN, COPPER QUEEN, ARTHUR LESTER, ALICE ROSALVA, and EMMA GWENDOLIN (EUNA GWENDOLIN (193908) (214.568) lode mining claims situate in the Black Hills Mining District. Patents of record in Book 81 of Deeds at pages 130-133 and 133-144, respectively. (a) 1938-34 KENNETH E. COFFIN (b) \$620.95.

DESCRIPTION: EXPLORATION (14.794) PRESIDENT (19.673), JUNIPER (20.299) (54.766) lode mining claims situate in the Tiger Mining District. Patent of record in Book 75 of Deeds at pages 237-243. (a) 1937-125 CHAS. R. LOTT ET AL Trustees and/or FOSTER S. NAETHING (b) \$297.56.

DESCRIPTION: PITTSBURG (18.714), FORT WORTH (18.265), NEW YORK (19.042), and SEATTLE (19.042) (75.063) lode mining claims situate in the Tiger (Bradshaw) Mining District. Patents of record in Book 83 of Deeds at pages 208-214 and 219-223, respectively. (a) 1940-117 A. MAURICE JONES (b) \$160.43.

DESCRIPTION: 1/2 LADY ALDE (12.977) and 3/8 COLUMBUS (3.754) lode mining claims situate in the Big Bug Mining District. Patents of record in Books 69 and 67 of Deeds at pages 77-83 and 339-342, respectively. (a) 1940-54 CHRISTOPHER B. DAVIS (b) \$78.32.

DESCRIPTION: OMAR (10.876) CONTENTION and LELAN EXT'N (LELAN EXTENSION) (36.295), LELAN (16.112), JUANITA (16.662),

1ST EXT'N DIVIDEND (FIRST EXTENSION OF THE DIVIDEND MINE) (20.86), GALENA (GALENA MINE) (20.66) CLIPPER, SUMMIT, JUMP OFF, PEERLESS, STARLIGHT (STARLIGHT), COMSTOCK and ALADDIN (ALADDIN) (92.24), (213.507) lode mining claims situate in the Big Bug Mining District. Patents of record in Book 145 of Deeds at pages 498-499 and 501-502; Book 75 of Deeds at pages 226-230 and 251-255; Book 10 of Deeds at pages 429-435 and 440-446; Book 80 of Deeds at pages 385-397. (a) 1938-109 LELAND-DIVIDEND MINING CO. (b) \$1504.69.

DESCRIPTION: 2/5 interest in the PINE SPRING (20.664) lode mining claim situate in the Turkey Creek Mining District. Patent of record in Book 67 of Deeds at pages 328-331. (a) 1937-138 L. E. MULFORD and/or M. B. GERISH (b) \$40.48.

DESCRIPTION: 1/2 LITTLE DANDY (19.768), 1/2 KEYSTONE (20.357) and 1/2 CURLEY (13.912) (54.037) lode mining claims situate in the Black Rock Mining District. Patent of record in Book 63 of Deeds at pages 417-421. (a) 1940-146 MRS. A. H. MITCHELL and/or LARABEE BROS. (b) \$338.74.

DESCRIPTION: RIVER BEND and GOLDEN EAGLE (33.47) (33.37) lode mining claims situate in the Eureka Mining District. Patent of record in Book 91 of Deeds at page 207. (a) 1939-180 J. McNEFF ESTATE (b) \$127.52.

DESCRIPTION: BELLMONT, BUENA VISTA, COPPER HILL, EMPIRE, POCAHONTAS, STANLEY and GRAY EAGLE (GREY EAGLE) (165.09) lode mining claims situate in the Copper Basin Mining District. Patent of record in Book 132 of Deeds at pages 94-100. (a) 1934-406 ED SHUMATE NO. 1 (b) \$1042.10.

DESCRIPTION: RAYMOND ELY, RAINBOW, RAINBOW NO. 2, ST. LOUIS and LANE (97.051) lode mining claims situate in the Peck Mining District. Patent of record in Book 82 of Deeds at pages 270-276. (a) 1930-140 RAINBOW GOLD MINING CO. (b) \$812.70.

DESCRIPTION: COPPER CZAR (20.52) lode mining claim situate in the Agua Fria Mining District. Patented 12-28-08 under U.S. Min. Sur. No. 2162. (a) 1930-125 L. A. OSBORN (b) \$253.12.

DESCRIPTION: Undivided 3/8 interest in BIG TWO, BIG THREE and BIG FOUR (61.98) lode mining claims situate in the Mint Valley Mining District. Patent No. 5216 under Ser. No. 029488 not of record. (a) 1938-187 STATE OF ARIZONA and/or H. A. DAMERON (b) \$145.84.

DESCRIPTION: 1/4 interest in COLUMBIA (7.966) lode mining claim situate in the Big Bug Mining District. Patent of record in Book 71 of Deeds at pages 431-435. (a) 1935-358 F. L. WRIGHT (b) \$14.50.

DESCRIPTION: Mineral rights only on KEYSTONE (19.626) lode mining claim situate in the Tiger Mining District. Patent of record in Book 100 of Deeds at page 276.

Mineral rights only on IDA (18.44), MERTON (15.89), LAURITA (20.66), PRIVATEER (14.83), GOLDEN (11.83), DAMASCUS (11.64) and TARTAR (15.60) (108.89) lode mining claims situate in the Pine Grove Mining District. Patent of Record in Book 71 of Deeds at page 327. (a) 1941-156 G. A. WILSON (b) \$331.67.

The Board of Supervisors reserves the right to reject any and all bids.

DATED AT PRESCOTT, ARIZONA this 1st day of October, 1951.

BY ORDER OF THE BOARD OF SUPERVISORS
JACK A. MEDD
Chairman.

Attest:
KENNETH AITKEN, Clerk.
Oct. 4, 11, 18, 25-1951

LAW OFFICES
GUYNN & TWITTY
TITLE & TRUST BUILDING
PHOENIX, ARIZONA

November 9, 1951

C. LEO GUYNN
HOWARD A. TWITTY

Mr. Arthur J. O'Connor
General Manager
Consolidated Coppermines Corporation
Kimberly, Nevada

Dear Art:

Enclosed are an original and one copy of a quit claim deed and release of option agreement. By these instruments Coppermines gives up the option in the Patagonia area. We have been instructed to prepare these papers and take other steps necessary in relinquishing this option.

We ask that you execute the original of the enclosed instruments and return the same to this office.

As soon as we have definitely determined the names of the various claims located by Coppermines in the Patagonia area we will prepare a notice of abandonment of these claims. It is not entirely certain that these claims will be abandoned this year but Mr. Tripp desires that we relinquish the option this year.

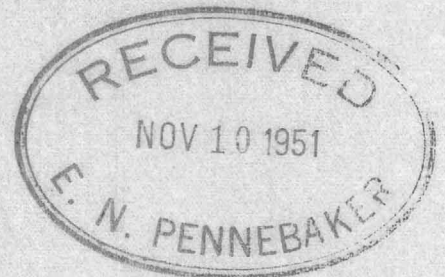
With kind personal regards, we remain

Very truly yours,

GUYNN & TWITTY

By *Howard A. Twitty*

HAT/mch
Enclosures
cc: Mr. Pennebaker



FROM J. Frank Sharp, Exploration Superintendent CITY Safford, Arizona
 TO E. N. Pennebaker, Consulting Geologist DATE October 2, 1951
 SUBJECT CLAIM RESEARCH ON AGUA FRIA MINING DISTRICT - SECTIONS 33 & 28, T. 13 N., R. I. E., G. & S., R. B. & M.

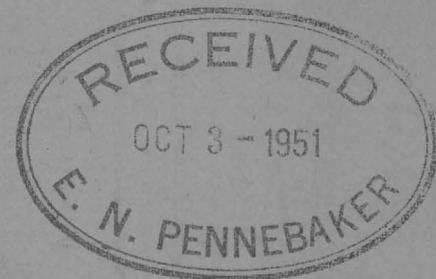
On September 29, 1951, a thorough search was made of the index on "Affidavits of Proof of Labor or Improvements Made" in the County Court House at Prescott, Arizona to try and locate the valid unpatented mining claims in Sections 33 & 28, T. 13 N., R. I. E., Agua Fria Mining District.

There are five filings of Affidavits of Proof of Labor for 1950 in the Agua Fria Mining District. These were all run through the books and the claims involved traced back thru their Mining Location Notices. The only unpatented claim that gave a tie that might place them in this area were eight (8) claims owned by Kenneth Conway, Etal. One of these claims the Iron Queen was located by us in the field. These eight claims are as follows:

<u>CLAIM NAME</u>	<u>BOOK</u>	<u>PAGE</u>	<u>DATE LOCATED</u>	<u>TIE</u>
Rainbow	131	41	Sept. 2, 1948	4 miles south Humbolt
Llano	131	42	Sept. 2, 1948	4 miles south Humbolt
Llano No. 2	157	176	May 2, 1950	5 miles south Humbolt, 1 mile east Huron
Rainbow No. 2	157	177	May 6, 1950	5 miles south Humbolt, west pat. claim Corp.
Silver King	157	178	May 15, 1950	2 miles south Iron King, 3 miles south Hum.
Llano No. 1	157	279	July 10, 1950	4 1/2 miles south Humbolt
Rainbow No. 1	157	280	July 10, 1950	4 1/2 miles south Humbolt, bounds Lone Pine West
Iron Queen	157	281	April 25, 1950	4 miles south Humbolt

The township Plat was looked at in the assessors office and there are eight patented claims in Section 33, T. 13 N., R. I. E. These claims are on the west side of the section and swing down in the south central part of the section below the area we are interested in. These patented claims with the assessed owners and Survey Number are as follows:

<u>CLAIM NAME</u>	<u>ASSESSED OWNER</u>
Princess Placer	Louise Kimberlake
Montezuma	D. D. Chessman
Eagle Fraction	
Brushy Flat	1/2 Mrs. Amelia H. Hull
Huron No. 2	1/4 James B. Gray
Swindler	1/4 T. K. Miller
Huron No. 1	
Victor	Mrs. Amelia H. Hull



The patented claims Corporal and Lone Pine mentioned in the ties in the Conway unpatented claims are in the center of Section 34, T. 13 N., R. I. E. There are three of these claims and their assessed owners and numbers are as follows:

FROM J. Frank Sharp, Exploration Superintendent CITY Safford, Arizona
 TO E. N. Pennebaker, Consulting Geologist DATE October 2, 1951
 SUBJECT CLAIM RESEARCH ON AGUA FRIA MINING DISTRICT - SECTIONS 33 & 28, T. 13 N., R. 1. E., G. & S., R. B. & M.

<u>CLAIM NAME</u>	<u>ASSESSED OWNER</u>	<u>SURVEY NUMBER</u>
Corporal	Shrede	1747
Lone Pine	Hessla	x
Admiral	Fred Gibbs	x

I have instructed Ray to make another search in this area for more unpatented claims. It may be we might have to contact this man Conway to actually find out if there are any other unpatented claims adjacent to his or if his cover the area we are interested in.

I noticed when we flew over that area yesterday morning that there are three definite zones coming thru there. The one the Iron Queen is on, the zone we were looking at and the pyritic zone on the west.

Best regards,

J. Frank Sharp
 J. Frank Sharp

JFS/to

CONSOLIDATED COPPERMINES CORPORATION

ASSAY CERTIFICATE

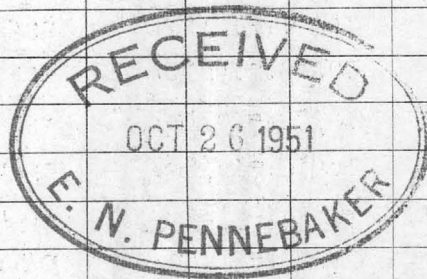
Geological Department

KIMBERLY, NEVADA,

Oct. 23, 1951

19

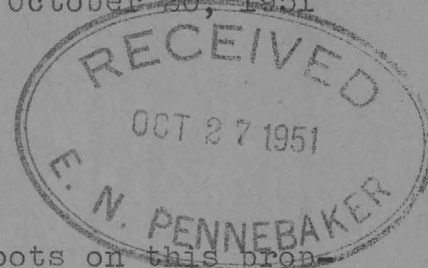
NO.	DESCRIPTION	TON+2000 LBS.		Zn										
		OZS. GOLD	OZS. SILVER	PER CENT COPPER	PER CENT INSOL	PER CENT IRON	PER CENT CAO	PER CENT AL 2O3	PER CENT %	PER CENT Pb	PER CENT	PER CENT		
4211		.020	6 .67	.050							Trace	Trace		
12		Trace	1 .07											
13		Trace	1 .55											
14		.010	9 .67	.021							Trace	Trace		



Leino Mathis

CHIEF CHEMIST

FROM R. W. Ludden CITY Prescott, Arizona
TO E. N. Pennebaker, Consulting Geologist DATE October 20, 1951
SUBJECT SWASTIKA MINE, YAVAPAI COUNTY, ARIZONA



Conclusions:

The existence of a few small ore shoots on this property is possible, but their potential value does not appear to justify further exploration. I, therefore, recommend that this property be turned down.

Introduction:

The Swastika mine property was examined on October 12, 1951 by myself and my assistant, S. Brown. We were accompanied on our examination by R. W. Martin, Prescott, Arizona, representing the owners. The mine is owned by the Holmardix Mining Corporation, Prescott, Arizona.

The property is located in the Mt. Union quadrangle, five miles west and one mile south of Cleator, Yavapai County, Arizona, and consists of 25 contiguous claims, four of which are patented.

Total production from 1875 to 1929 was \$10,000 from lead and \$900,000 from silver. Reports indicate that most of the mine's production took place during this period.

It is estimated that the property has at least 10,000 feet of workings, most of which are accessible.

Geology:

The major rock type in the mine area is the Yavapai schist. It is generally fissile, chloritic, and sericitic. The schistosity strikes from N20E to N30E and dips from 65 to 70 degrees west. A few dacite porphyry dikes intruded the schist, and a number of large, massive, fine-grained quartz veins have replaced it. In addition to the quartz, these veins contain small amounts of limonite, hematite, and manganese.

Most of the ore mined was an oxidized lead silver ore, occasionally containing some of the following sulfides; galena, sphalerite, tetrahedrite, pyrite, and a little chalcopyrite. Quartz, siderite, and sericite are the common gangue minerals. No worthwhile copper metallization was noted on the property.

The high grade ore shoots that occurred along the two main veins were responsible for the major portion of the production. These veins, which strike about N25E and dip ab

FROM R. W., Ludden CITY Prescott, Arizona
 TO E. N. Pennebaker, Consulting Geologist DATE October 20, 1951
 SUBJECT SWASTIKA MINE, YAVAPAI COUNTY, ARIZONA

approximately 65 degrees west, are two to three feet wide, about 1500 feet long, and are 200 to 300 feet apart.

The oxidized zone of many of the silver veins in this region was enriched to an extremely good grade, and their underlying primary metallization has been poor. An inspection of the mineralization at the Swastika strongly suggests that the ore shoots mined were largely a result of this type of enrichment.

The oxidized zone in this region seldom extends more than 500 feet below the surface, frequently being less than 100 feet deep. Inasmuch as the average stope extends from about the 100-foot to the 300-foot level, the depth of vertical prospecting in the zones from which the main production has come is very limited.

In view of previous exploration in the two larger zones, and due to the limited number and size of other mineralized zones, further exploration in the established ore horizon appears unwarranted.

I do not consider this property a worthwhile prospect.

Sampling:

Sample number	Description
4211 -----	Au - .02 ozs., Ag - 6.67 6zs., Cu - .05%, Zn - trace, Pb - trace, Swastika mine, four foot grab sample from stope at south end of Prince vein on 200-foot level, sulfides and oxides.
4212 -----	Au - trace, Ag - 1.07 ozs., Swastika mine, 465-foot level (bottom level, 5-foot grab sample in foot wall at chute at north end of drift, oxides.
4213 -----	Au - trace, Ag - 1.55 ozs., Swastika mine, same location as no. 4212, seven foot grab sample across Prince vein, oxides.
4214 -----	^{Au} Ag - .01 ozs., Ag - 9.67 ozs., Cu - .02%, Zn - trace, Pb - trace, grab sample from chute described in no. 4212.

FROM R. W. Ludden, Assistant Geologist CITY Prescott, Arizona
TO E. N. Pennebaker, Consulting Geologist DATE October 29, 1951
SUBJECT CAMP B MINING COMPANY PROPERTIES, BLACK ROCK MINING DISTRICT,
YAVAPAI COUNTY, ARIZONA

Conclusions:

The mineralization consists largely of pyrite that has a small amount of gold, silver, and copper sporadically associated with it. An examination of outcrops and material on the dumps indicates that these properties do not warrant further investigation. It is recommended that they receive no more consideration.

Introduction:

The Camp B Mining Company properties were examined on October 16, 1951, by myself and my assistant, S. Brown.

Two separate areas were inspected, the Camp B mine property and the Monte Cristo mine property. The Camp B mine lies about three miles south of the Monte Cristo mine. They are located in T. 8 N.; R. 3 W., approximately twelve miles east of Wickenburg, Yavapai County, Arizona.

A 365-foot incline shaft, with a few-hundred feet of lateral workings, constitutes the major portion of development work at the Camp B mine. With the exception of a few shallow shafts and pits, none of the workings could be inspected.

The main workings at the Monte Cristo mine, most of which are inaccessible, consist of an incline shaft, which is reportedly 1200 feet deep with several-hundred feet of laterals at various levels. Recently a 100-foot incline shaft was sunk a quarter of a mile west of the main shaft.

The properties examined are controlled by the Camp B Mining Company, E. Nutter of Wickenburg, Arizona, president.

Geology:

Camp B mine area:

The main rock type in the area is a medium- to coarse-grained granite, containing numerous irregular pegmatitic masses and a few basic dikes. Two of the most prominent sets of fractures in the granite are: (1) strike north-south, dip 50 to 70 degrees west; and (2) strike east-west, approximately vertical.

FROM R. W. Ludden, Assistant Geologist CITY Prescott, Arizona
 TO E. N. Pennebaker, Consulting Geologist DATE October 27, 1951
 SUBJECT CAMP B MINING COMPANY PROPERTIES, BLACK ROCK MINING DISTRICT,
 YAVAPAI COUNTY, ARIZONA

The major mineralized zone is two to three feet wide and about 2,000 feet long. It occurs in a fault zone that strikes approximately north-south and dips 50 to 70 degrees west. A few small mineralized zones, with the same general trend, crop out along the strike, 100 to 300 feet to the east.

The oxidized zone of the main vein contains heavy limonite (very little after copper), iron staining, hematite, small amounts of sporadic copper silicates, and quartz. Judging from material on the dumps, heavy pyrite, very sparse chalcopyrite, chlorite, and quartz compose the bulk of the sulfide zone. No evidence of sulfide enrichment was observed.

Monte Cristo mine area:

Most of the outcrops on this property consist of gabbro gneiss and a granite gneiss, which have been intruded by pegmatitic and fine-grained basic dikes. The dikes generally intruded along the foliation, which strikes about east-west and is approximately vertical.

Mineralization in the Monte Cristo mine area is similar to that of the Camp B mine; however, it occurs as unimpressive widely spaced zones, one to four feet wide and a few-hundred feet long. They conform, in general, to the foliation and appear to be associated with the basic dikes.

Some of the mineralized material inspected on the property might be regarded as possible low grade ore; however, its mode of occurrence and potential tonnage do not justify further exploration.

I recommend that these properties be turned down.

Sampling:

Sample no.	Description
4215 ---	Au-trace, Ag - trace, Cu - .62%, Camp B mine, grab sample from main shaft dump, sulfides.
4216 ---	Au - trace, Ag - trace, Cu - .01%, Monte Cristo mine, grab sample from dump at new 100-foot shaft, sulfides.

FROM R. W. Ludden, Assistant Geologist CITY Prescott, Arizona
TO E. N. Pennebaker, Consulting Geologist DATE October 29, 1951
SUBJECT CAMP B MINING COMPANY PROPERTIES, BLACK ROCK MINING DISTRICT,
YAVAPAI COUNTY, ARIZONA

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 TO E. N. Pennebaker, Consulting Geologist DATE October 27, 1951
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I recommend that these properties be turned down.

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TO E. N. Pennebaker, Consulting Geologist DATE October 29, 1951
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 TO E. N. Pennebaker, Consulting Geologist DATE October 27, 1951
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FROM A. J. O'Connor, General Manager CITY Kimberly, Nevada
TO E. N. Pennebaker, Consulting Geologist DATE November 5, 1951
SUBJECT OUTSIDE PROPERTIES

Dear Penny:

I am enclosing two copies of a letter received from Emery Sege of Chicago in connection with an operating property in Arizona.

It sounds good, like all properties, until some of the claims are investigated on the ground, as we all so well know. The property has one advantage in that it is a going concern, and an appraisal of its worth could be more easily determined.

I would like to call your attention to the last paragraph on page one, together with his closing statement on page two, in which I note an element of urgency.

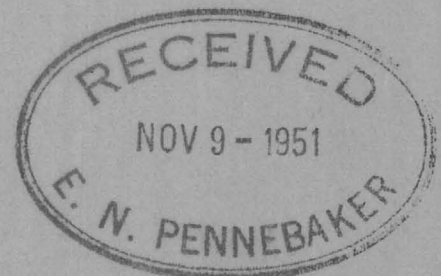
Doubtless, you have some general information, at least, in regard to this property. If you think favorably of the property to the extent that it would be worth an examination, it might be well to have Ray Ludden, or whoever else you so desire, make a preliminary reconnaissance at his earliest convenience. I will appreciate it if you will let me know your reactions, - possibly by telephone, - so that I can inform Mr. Sege of our plans, if any, in connection with this property.

In my first letter from Mr. Sege there was no intimation as to why this property was being offered for sale at this time.

Best regards,

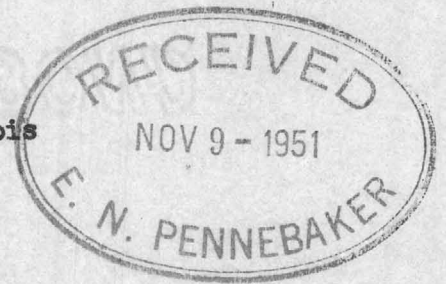
A. J. O'Connor

AJO'C/ps
Encls



(COPY)

EMERY SEGO
2531 North Talman Avenue - Chicago 47, Illinois
November 2nd, 1951



Consolidated Coppermines Corporation,
KIMBERLY, Nevada

Dear Mr. O'Connor:

Thank you very much for your letter of October 29th, I give you the main points, briefly to your information about the Arizona copper mines.

- a) Property consists of 62 lode mining claims. Rich ore was discovered on it back about 1902, some was almost pure silver; the greater possibilities and potential value of the mine are in copper; but, the by-products of gold and silver cannot be overlooked. Development was spasmodic till about 1927, when a shaft was started and finally put down to the 1200-foot level. In this shaft stations were cut at each 100-foot interval, and drifts run. Frequent raises connect the various levels at different points. In this early day work, the miners were working on the rich ore, and paid little or no attention to copper, as they had no mill and the result was that they blocked out any copper ore without intending to do so, as 2% and considerably higher copper, was of no value for them. In this way they blocked out about 1,200,000 tons of ore too low for them, but valuable now, with modern methods and equipment. It was told that one engineer estimated that the MOCR mine contained over \$5,000,000 net value of blocked out ore above the 1200 foot level. The total footage of the drifts, shafts, cross-cuts, raises, winzes and sumps is estimated at 22,000 feet. The blocked-out ores carry values in copper gold and silver.
- b) They are located in the Black Rock Mining District, Yavapai County, 12 miles from town with 5,000 population, on good country road.
- c) The ores being treated at present by flotation, yield a concentrate of about \$150.00 a ton, with copper content about 20%, remainder in gold and silver. Concentration is at the ratio of 12 tons into one. Mill is making about 95% recovery. The present operators on the MOCR mine have began taking ore from the 400 foot level and the mill is running continuously on very good ore, that means one shift each day. It is expected to speed up the production.
- c) Only eight men are employed. The shaft on the MA group is being sunk and producing good milling ore from that work. The MA and MOCR Groups adjoin, and the 62 claims make up both groups.
- d) Taxes for the year, assessed by County & State of Arizona, were only \$200.00

As you know that a property of this size, cannot be properly appraised, except by expert inspection followed by complete Engineering examination. If you feel after reading this incomplete information, that you wish to go into the matter fully, please advise me at once, and I will at once arrange time for your Engineers now in Arizona for the complete examination of this properties.

./.

The price of both groups together is around \$1,000,000.00, but since it is large enough for two or more operations, it could be divided practicably, and separate deals made on each part.

The present milling plant is new and modern. It is well built but its capacity is small, being only 50 tons per day. The same labor could handle 100 tons as would be required for 50. Therefore, if a larger tonnage could be handled the milling cost would be materiall reduced. However, to accomplish this, another Ball Mill and Classifier would be required and additional flotation cells.

The surface improvements are unusually good. All of the buildings are well constructed and in excellent condition. There is a Power House, Machine and Electrical Shops, Office Building, Boarding House, Bunk House and residences for staff members. It is unusual to find surface improvements such as these, except in well established mines with years of operation as a background.

I hope to hear from you soon, and that your Engineers will start the inspection at the earliest convenience, and I am

Yours very truly,

/s/ EMERY SEGO

AIR MAIL

(COPY)

EMERY SEGO
2531 North Talman Avenue - Chicago 47, Illinois
November 2nd, 1951

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Dear Mr. O'Connor:

Thank you very much for your letter of October 29th, I give you the main points, briefly to your information about the Arizona copper mines.

- a) Property consists of 62 lode mining claims. Rich ore was discovered on it back about 1902, some was almost pure silver; the greater possibilities and potential value of the mine are in copper; but, the by-products of gold and silver cannot be overlooked. Development was spasmodic till about 1927, when a shaft was started and finally put down to the 1200-foot level. In this shaft stations were cut at each 100-foot interval, and drifts run. Frequent raises connect the various levels at different points. In this early day work, the miners were working on the rich ore, and paid little or no attention to copper, as they had no mill and the result was that they blocked out any copper ore without intending to do so, as 2% and considerably higher copper, was of no value for them. In this way they blocked out about 1,200,000 tons of ore too low for them, but valuable now, with modern methods and equipment. It was told that one engineer estimated that the MOCR mine contained over \$5,000,000 net value of blocked out ore above the 1200-foot level. The total footage of the drifts, shafts, cross-cuts, raises, winzes and sumps is estimated at 22,000 feet. The blocked-out ores carry values in copper gold and silver.
- b) They are located in the Black Rock Mining District, Yavapai County, 12 miles from town with 5,000 population, on good country road.
- c) The ores being treated at present by flotation, yield a concentrate of about \$150.00 a ton, with copper content about 20%, remainder in gold and silver. Concentration is at the ratio of 12 tons into one. Mill is making about 95% recovery. The present operators on the MOCR mine have begun taking ore from the 400 foot level and the mill is running continuously on very good ore, that means one shift each day. It is expected to speed up the production.
- c) Only eight men are employed. The shaft on the MA group is being sunk and producing good milling ore from that work. The MA and MOCR Groups adjoin, and the 62 claims make up both groups.
- d) Taxes for the year, assessed by County & State of Arizona, were only \$200.00

As you know that a property of this size, cannot be properly appraised, except by expert inspection followed by complete Engineering examination. If you feel after reading this incomplete information, that you wish to go into the matter fully, please advise me at once, and I will at once arrange time for your Engineers now in Arizona for the complete examination of this properties.

SYSTEM 2E BOND

Page: 2. 11./1/51/ Consolidated Coppermines Corporation, Kimberly/Nevada

The price of both groups together is around \$1,000,000.00, but since it is large enough for two or more operations, it could be divided practicably, and separate deals made on each part.

The present milling plant is new and modern. It is well built but its capacity is small, being only 50 tons per day. The same labor could handle 100 tons as would be required for 50. Therefore, if a larger tonnage could be handled the milling cost would be materiall reduced, However, to accomplish this, another Ball Mill and Classifier would be required and additional flotation cells.

The surface improvements are unusually good. All of the buildings are well constructed and in excellent condition. There is a Power House, Machine and Electrical Shops, Office Building, Boarding House, Bunk House and residences for staff members. It is unusual to find surface improvements such as these, except in well established mines with years of operation as a background.

I hope to hear from you soon, and that your Engineers will start the inspection at the earliest convenience, and I am

Yours very truly,

/s/ EMERY SEGO

AIR MAIL

FROM R. W. Ludden CITY Prescott, Arizona
TO E. N. Pennebaker, Consulting Geologist DATE Oct. 14, 1951
SUBJECT HUMBOLDT COPPER MINES, YAVAPAI COUNTY, ARIZONA

Conclusions:

The better copper showings on the property of Humboldt Copper Mines appear to be those associated with quartz veins. However, their possible value, as determined by analysis of outcrops, from dump material, and from underground inspection is judged to be too low to warrant their further exploration.

It is recommended that the property receive no more attention.

INTRODUCTION:

The Humboldt Copper Mines property was examined on September 10, 1951, by myself and my assistant, S. Brown. We were accompanied on our examination by A. Syverson and A. R. Brashear, representing the owners.

The claims inspected are located mostly in Sections 13 and 24; T. 13N.; R. 1 $\frac{1}{2}$ E.; and are about 2 $\frac{1}{2}$ miles due east of Humboldt, Yavapai County, Arizona. They are owned by A. R. Brashear of Cleator, Arizona, and P. W. Hoff of Idaho Falls, Idaho. The property consists of 26 contiguous claims, twelve of which are patented.

Only a small percentage of the workings were accessible at the time of our examination. They consisted of (1) various shallow shafts and pits; (2) the Brashear tunnel, which is 46 feet long and situated on the Laura claim; (3) the Swiss Girl tunnel, which is found on the Swiss Girl claim and is still open for 125 feet; and (4) about 60 feet of the Alice shaft. Old reports describe the following workings:

Laura claim: A 300-foot inclined shaft with several hundred feet of drifts on the 100 and 200-foot levels;

Swiss Girl claim: A 900-foot inclined shaft and an adit 250 feet long which connected with the Swiss Girl shaft on the 100-foot level;

Baby claim: A 130-foot vertical shaft and a 60-foot vertical shaft;

Iron Cliff claim: A 25-foot vertical shaft;

FROM R. W. Ludden CITY Prescott, Arizona
 TO E. N. Pennebaker, Consulting Geologist DATE October 14, 1951
 SUBJECT Humboldt Copper Mines, Yavapai County, Arizona - - Cont'd

Iron Mask claim: A 275-foot adit;

Alice claim: A 208-foot vertical shaft;

Arizona claim: Vertical shafts 30 and 67 feet deep.

The claims are said to have been located in 1902 by the late Jules Baumann. Between 1902 and 1908, and again from 1911 to 1917, copper ore shipments were reportedly made, although no smelter returns are available. The present owners purchased the property at tax sale in 1948. Formerly it was owned by the Baumann Mines Company.

GEOLOGY

Most of the outcrops on the property consist of a medium to coarse grained granite, which is probably the Pre-Cambrian Bradshaw granite. The contact of Yavapai schist against this rock is found near the center of the Pivot claim, and from here it strikes approximately north and south. On the north, a stock of diorite comes in contact with the granite about 200 feet north of the Brashear tunnel on the Laura claim. The rocks on the property all contain a number of fine to medium grained basic dikes, which have variable attitudes in the igneous rocks, but follow the foliation (strike N 25 E and approximately vertical) in the schist.

On the property of Humboldt Copper Mines, predominant mineralization is displayed in the granite and schist as:

- (1) Two altered and iron-stained areas, one on the Swiss Girl claim (1500 feet long and 400 feet wide), and the other near the center of the Arrow and White Cross claims (1000 feet long and 200 feet wide), the iron-staining apparently derived from the oxidation of pyrite;
- (2) Quartz veins averaging from 1 to 1½ feet in width and 300 feet in length, and containing variable amounts of copper in the form of azurite, malachite, copper-pitch, chalcopyrite, and chalcocite; and
- (3) Mineralized fault zones which exhibit some azurite, malachite, copper-pitch, and chalcopyrite or chalcopyrite boxwork.

The quartz veins generally strike between N 5 E and N 20 W and dip approximately 60 degrees east. They usually carry

FROM R. W. Ludden CITY Prescott, Arizona
 TO E. N. Pennebaker, Consulting Geologist DATE October 14, 1951
 SUBJECT Humboldt Copper Mines, Yavapai County, Arizona - - Cont'd

some copper in the form of chalcopryite, but surface inspection and assays of mixed oxide and sulfide material indicated very low copper content, averaging about 1% cu. The quartz veins, which are few in number and widely spaced, form a band about one mile long and 700 feet wide that strikes approximately north and south near the center of the property.

The mineralized fault zones strike about N 60 E and are approximately vertical. They are not persistent, their average length being about 100 feet. Evidence of copper in these zones is weak and is in the form of azurite, malachite, copper-pitch, chalcopryite, chalcocite, chalcopryite boxwork, and limonite after chalcocite.

The depth of oxidation at various places on the property ranges from a few feet to at least 200 feet. Copper occurs as azurite, malachite, and copper-pitch in the oxidized zone, and as chalcopryite and chalcocite in the sulfide zone. An insignificant amount of chalcopryite boxwork, observed in various places on the property, would seem to indicate a small amount of sporadic secondary enrichment.

In summary, the most prominent fracture pattern in the granite strikes N 15 E to N15 W and is approximately vertical. Mineralization consists of rock alteration whereby sericitization, chloritization, and silication have taken place, and of primary metallization in which chalcopryite was deposited. Past exploration found only limited copper ore confined to quartz veins. My examination of outcrops and accessible workings indicated that no further exploration is warranted.

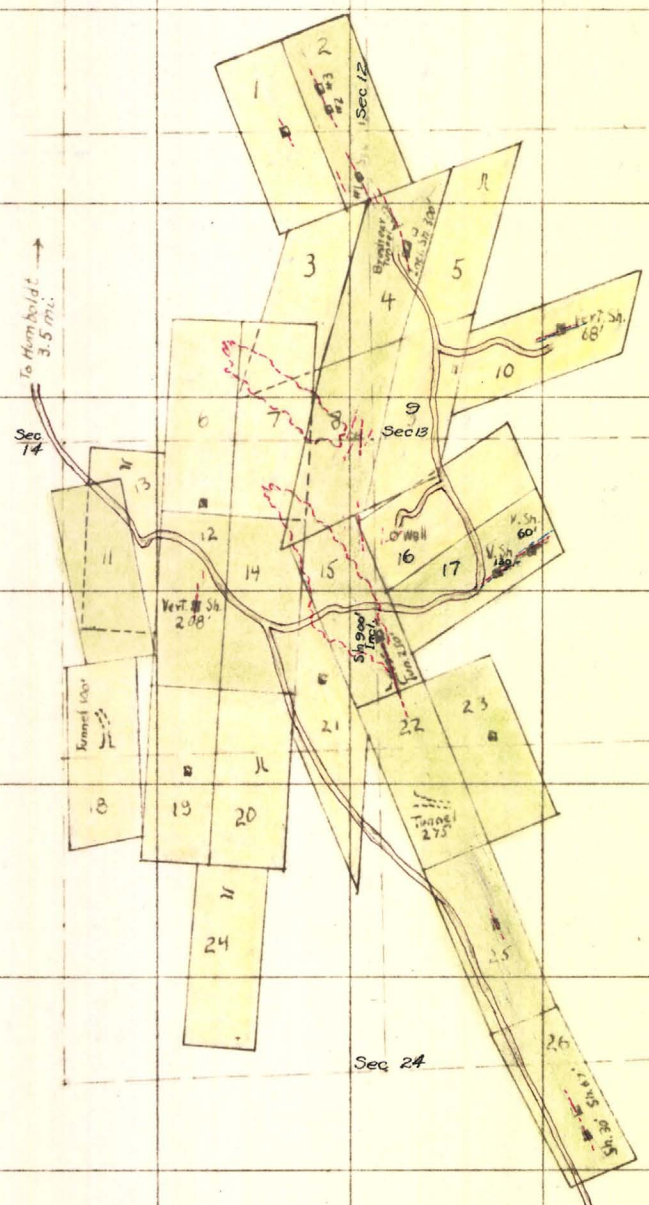
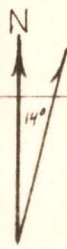
I recommend that this property be turned down.

SAMPLING:

<u>Sample No.</u>	<u>Description</u>
4205 ----	Au - trace, Ag - .43 oz., Cu - .26% Laura claim, Brashear tunnel, 3-foot grab sample across the face, oxides.
4206 ----	Au - .01 oz., Ag - .94 oz., Cu - 11.93% Laura claim, Brashear tunnel, fifteen feet from portal, grab sample across vein fourteen inches wide, mixed oxides and sulfides.
4207 ----	Au - trace, Ag - .19 oz., Cu - 1.07% Laura claim, twenty feet north of Laura shaft, 4½-foot grab sample on surface across Laura vein, oxides.

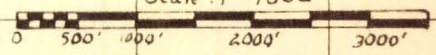
FROM R. W. Ludden CITY Prescott, Arizona
 TO E. N. Pennebaker, Consulting Geologist DATE October 14, 1951
 SUBJECT Humboldt Copper Mines, Yavapai County, Arizona - - Cont'd

<u>Sample No.</u>	<u>Description</u>
4208 ----	Au - trace, Ag - .18 oz., Cu - 1.06%, Pick extension claim, grab sample from ore pile at 68-foot shaft, vein estimated two feet wide, chalcopryrite, pyrite, copper-pitch and other oxides.
4209 ----	Au - trace, Ag - .07 oz., Cu - .77%, Swiss Girl claim, grab sample from dump at Swiss Girl shaft, sulfides, heavy pyrite.
4210 ----	Au - trace, Ag - .06 oz., Cu - 1.50% Swiss Girl claim, 100 feet in from portal of Swiss Girl tunnel, 10-foot grab sample across drift and vein, chalcopryrite, pyrite, oxides and migratory copper oxides.



- 1 Red Cross
- 2 Loretta
- 3 Manzanita
- 4 Laura
- 5 Drill
- 6 Hidden Treasure
- 7 Arrow
- 8 White Cross
- 9 Pick
- 10 Pick Extension
- 11 Beebe
- 12 Alice
- 13 Bend
- 14 Pivot
- 15 Swiss Girl
- 16 Bessie
- 17 Baby
- 18 Giant
- 19 Winkelried
- 20 William Tell
- 21 Diamond
- 22 Iron Mask
- 23 Iron Cliff
- 24 Tillie
- 25 Berna
- 26 Arizona

MINING PROPERTY
OF
HUMBOLDT COPPER MINES
AGUA FRIA MINING DISTRICT
YAVAPAI COUNTY, ARIZ.
Scale: 1" = 1600'



- Patented Claims
- Unpatented Claims
- Roads
- Minevalization
- faults

Sept., 17, 1951

From: R. W. Ludden

City: Prescott, Arizona

To: E. N. Pennebaker, Consulting Geologist Date: Oct. 14, 1951

Subject: HUMBOLDT COPPER MINES, YAVAPAI COUNTY, ARIZONA

Conclusions:

The better copper showings on the property of Humboldt Copper Mines appear to be those associated with quartz veins. However, their possible value, as determined by analysis of outcrops, from dump material, and from underground inspection is judged to be too low to warrant their further exploration.

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INTRODUCTION

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Only a small percentage of the workings were accessible at the time of our examination. They consisted of (1) various shallow shafts and pits; (2) the Brashear tunnel, which is 46 feet long and situated on the Laura claim; (3) the Swiss Girl tunnel, which is found on the Swiss Girl claim and is still open for 125 feet; and (4) about 60 feet of the Alice shaft. Old reports describe the following workings:

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GEOLOGY

Most of the outcrops on the property consist of a medium to coarse grained granite, which is probably the pre-Cambrian Bradshaw granite. The contact of Yavapai schist against this rock is found near the center of the Pivot claim, and from here it strikes approximately north and south. On the north, a stock of diorite comes in contact with the granite about 200 feet north of the Barshear tunnel on the Laura claim. The rocks on the property all contain a number of fine to medium grained basic dikes, which have variable attitudes in the igneous rocks, but follow the foliation (strike N 25 E and approximately vertical) in the schist.

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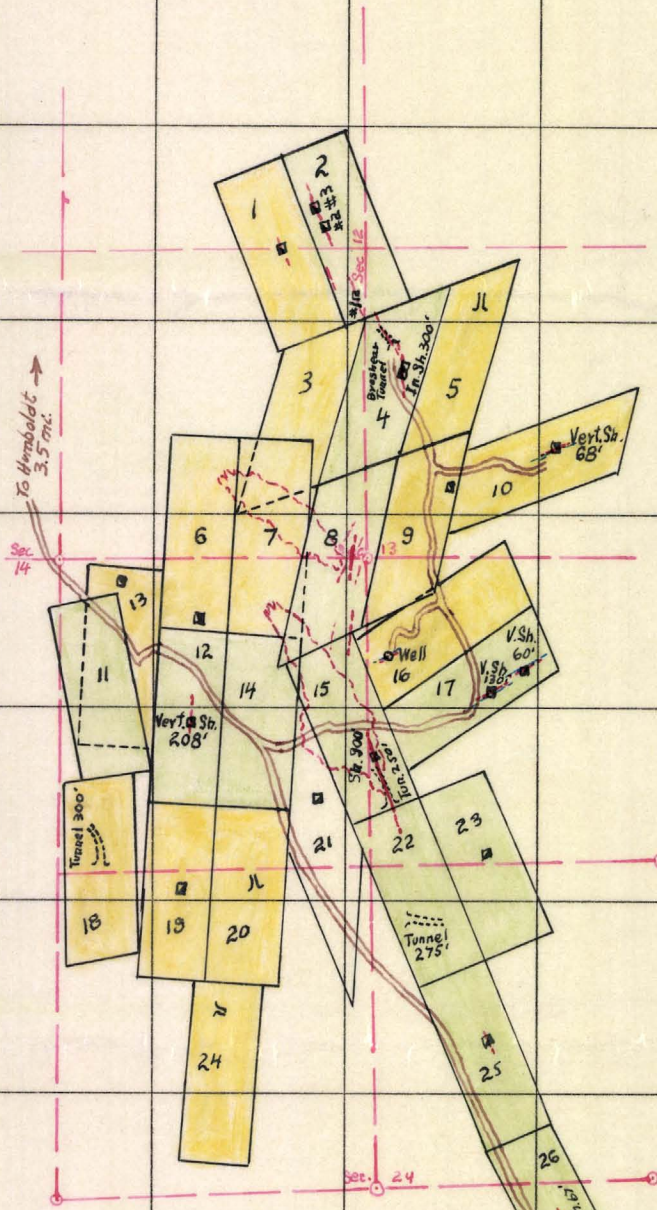
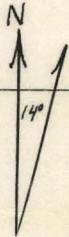
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SAMPLING:

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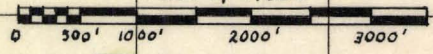
4210 --- Au - trace. Ag - .06oz., Cu - 1.50%
Swiss Girl claim, 100 feet in from por-
tal of Swiss Girl tunnel, 10-foot grab
sample across drift and vein, chalco-
pyrite, pyrite, oxides and migratory
copper oxides.



- 1 Red Cross
- 2 Lovetta
- 3 Manzanita
- 4 Laura
- 5 Drill
- 6 Hidden Treasure
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- 21 Diamond
- 22 Iron Mask
- 23 Iron Cliff
- 24 Tillie
- 25 Berna
- 26 Arizona

MINING PROPERTY
OF
HUMBOLDT COPPER MINES
AGUA FRIA MINING DISTRICT
YAVAPAI COUNTY, ARIZ.

Scale: 1" = 1800'



- Patented Claims
- Unpatented Claims
- Roads
- Mineralization
- Faults

Sept. 17, 1951

J. Brown

FROM A. J. O'Connor, General Manager CITY Kimberly, Nevada
TO E. N. Pennebaker, Consulting Geologist DATE September 1, 1951
SUBJECT OUTSIDE PROPERTIES - HUMBOLDT, ARIZONA

Dear Penny:

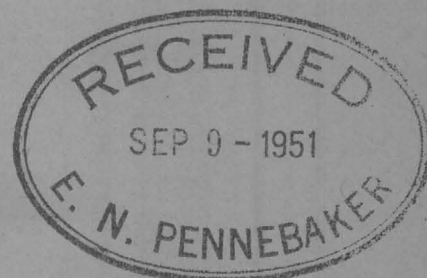
Reference is made to my letter to you of August 2, 1951, concerning the Humboldt copper mines, and particularly to the map sent you. Mr. Larson has written me regarding this data and I stated in a letter to him, dated August 30, that I had forwarded the data to you, and that our geologists would make an examination of this property just as soon as circumstances permitted.

As soon as Ludden completes his work, I would appreciate it if you would forward the map and other data to me so that I can transmit them to Mr. Larson, unless, of course, the property is of interest to us. In that event, I will so inform Mr. Larson.

Best regards,

Art O'Connor

AJO'C/ps



August 13, 1951

Mr. A. J. O'Connor, General Manager
Consolidated Coppermines Corporation
Kimberly, Nevada

Dear Art:

I have your letter of August 2, 1951, with data concerning the Humboldt Copper Mines near Prescott, Arizona.

I shall take this up with Ludden when I see him early in the week.

With kind regards,

Sincerely yours,

ENP
fme

FROM R. W Ludden CITY Prescott, Arizona
TO E. N. Pennebaker, Consulting Geologist DATE August 11, 1951
SUBJECT Examination of the Chas. H. Bowers's property, Black Hills mining district, Yavapai County, Arizona.

Conclusions:

Further examination of this property and the immediate vicinity by Consolidated Coppermines Corp. would not be worthwhile

Introduction:

The property was examined on August 8, 1951. The Morning Star and Tip Top mining claims are located in the west central portion of section 7 T 16 N R 1 E in the Jerome quadrangle. They are about $8\frac{1}{2}$ miles east of highway 89 on the road to Perkinsville.

Information on the property, which consists of the patented claims mentioned above, was received from Mr. N. A. Bowers, 184 Tuscaloosa Ave. Atherton, California.

The major development work, which is inaccessible, consists of a 165 foot shaft with two short crosscuts at the 145 foot level.

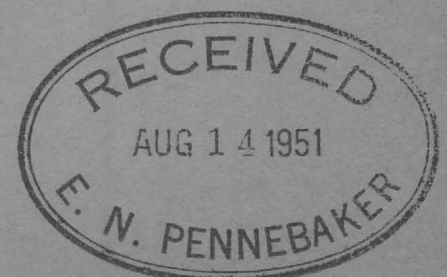
Geology:

The mineralization and metallization of primary interest occurs in schist and consists largely of hematite, limonite, other iron oxides, silica mixed with iron oxides, quartz and a minor amount of copper oxides. Apparently none of the workings cut the sulfide zone. The mineralization occurs as veins of variable lengths and widths which conform roughly to the attitude of the foliation in the schist and comprise a mineralized zone about 100 feet wide. Approximately 800 feet of strike length outcrops before the zone disappears under the alluvium. large

With the exception of a quartz vein and associated metallization directly east of the property the surrounding area exhibits little indication of other mineralization.

R. W. Ludden
s/ R. W. Ludden

cc - Mr. John Hope



August 4, 1951

Mr. M. A. Bowers
184 Tuscaloosa Avenue
Atherton, California

Dear Mr. Bowers:

We have recently established a field geologist in Prescott, Arizona, to examine mining properties in that general region. If you will get in touch with him, he will arrange to examine the Morning Star and Tip Top mining claims near Jerome, about which you wrote us some time ago.

Our representative's name is:

R. W. Ludden
522 Coronado Avenue
Prescott, Arizona
Telephone - 1019 NW

Yours very truly,

ENP
fme

cc: Mr. R. W. Ludden
Mr. A. J. O'Connor

May 14, 1951

Mr. N. A. Bowers
184 Tuscaloosa Avenue
Atherton, California

Dear Mr. Bowers:

Thank you for your letter of May 10, 1951, with regard to the Morning Star and Tip Top mining claims near Jerome, Arizona.

We expect to have a field party working out of Prescott in early July, at which time we shall get in touch with you and make arrangements for an examination.

Yours very truly,

cc: Mr. A. J. O'Connor
Mr. John Hope, Jr.



N. A. BOWERS
184 TUSCALOOSA AVENUE
ATHERTON, CALIF.

10 May 1951

Mr E.N.Pennebaker,
P.O. Box 2996,
Globe, Ariz.

Dear Mr Pennebaker :

In your letter dated 17 February 1951 you expressed the thought that later in the season you might have a geologist at Prescott who would be able to examine the mining claims of which description was sent by Mr O'Connor of Consolidated Coppermines Corporation.

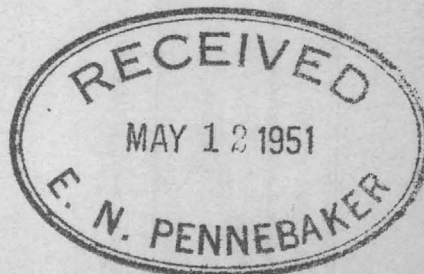
I realize that it is desirable to route your men so as to minimize travel time and that you could not make a special trip.

Could you, at this time, let us know whether you think this prospect is of sufficient interest to warrant examination of the claims sometime this summer ?

In case the earlier communication has been mislaid, I am enclosing a duplicate of the rough description of the properties. If more information is desired please let me know.

Very truly yours,

cc- Mr A.J.O'Connor



"Morning Star" and "Tip Top" Mining Claims

(Estate of Charles H. Bowers)

Two mining claims patented by the late Chas. H. Bowers (CHB in the following) are in Yavapai County Ariz., about ten miles west of the United Verde mine at Jerome; 8½ mi. east of the Santa Fe, Prescott & Phoenix RR and about 22 mi. northeast of Prescott. The claims are full size, each 300 x 1500 ft.

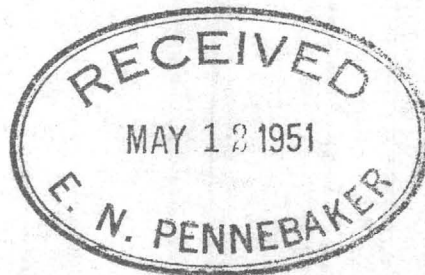
The CHB property is on what is believed to be a continuation of the United Verde vein but which was separated from the Jerome part of the deposit when the intervening range of mountains (between these claims and Jerome) was thrown up. This theory is supported by the fact that the United Verde and the CHB holdings have identical formation and there are no others like it in this region.

Early in 1923 CHB wrote the following about his claims :

"This is what I call a copper-and-gold property. The vein is a very heavy iron schist and is to my knowledge at least 50 ft. wide at the 150-ft. level.

"On the Morning Star claim there is a shaft 165 ft deep with cross cuts or drifts at 100, 145 and 160-ft. levels. *** The shaft did not need timbering *** The breast of the drift at the 160-ft. level is entirely in ore with an average value of 8 or 12 % copper. *** An essay taken across the entire shaft showed \$2.50 per ton gold.

"The other claim, the Tip Top, which adjoins the Morning Star, on the south, has been explored by four shafts, 4 to 45 ft deep, a 30-ft. tunnel and a 60-ft. open cut. All these show very heavy mineralized formations of copper ore"



February 17, 1951

Mr. N. A. Bowers
184 Tuscaloosa Avenue
Atherton, California

Dear Mr. Bowers:

Mr. A. J. O'Connor, general manager of Consolidated Coppermines Corporation of Kimberly, Nevada, has forwarded me your letter of February 1, 1951, relative to the Morning Star and Tip Top patented mining claims west of Jerome, Arizona.

At present we regret that we are unable to look over your ground. It is possible that some time during the coming summer we shall have a geologist at Prescott and shall be in a position to examine these claims. In this event we shall be glad to get in touch with you.

We appreciate your drawing this area to our attention.

Yours very truly,

cc-Mr. A. J. O'Conner
Mr. John Hope, Jr.

ENP:ag

FROM A. J. O'Connor, General Manager CITY Kimberly, Nevada
TO E. N. Pennebaker, Consulting Geologist DATE February 12, 1951
SUBJECT MINING PROSPECTS

Dear Penny:

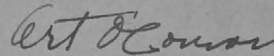
I am enclosing herewith a copy of a letter, and a data sheet, having to do with the "Morning Star" and "Tip Top" mining claims of the late Charles H. Bowers.

As usual, it sounds like another Utah Copper. However, I feel that we will have to set our sites a little lower than that in this regard.

I am also enclosing a copy of my letter to Mr. N. A. Bowers.

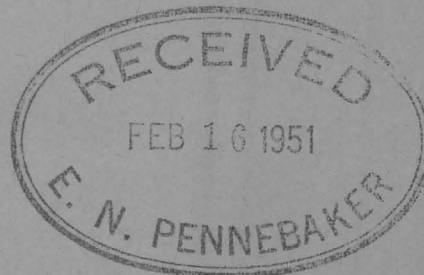
With best regards,

Sincerely,



Art O'Connor

AJO'C/ps
encls



COPY

CONSOLIDATED COPPERMINES CORPORATION

KIMBERLY, NEVADA

February 12, 1951

Mr. N. A. Bowers
184 Tuscaloosa Avenue
Atherton, California

Dear Mr. Bowers:

Thank you for your letter of February 1, 1951, in which you call our attention to the mining claims of the late Mr. Charles H. Bowers.

This company is, and has been, keenly interested in the discovery and exploitation of copper properties, particularly in Nevada and Arizona.

My failure to answer your letter at an earlier date is due to the fact that I have just been released from the hospital and today is my first day, in over a month, to be able to visit my office and attend to some of my mail.

I am forwarding a copy of your letter, together with the data sheet, to our Consulting Geologist, Mr. E. N. Pennebaker, at Globe, Arizona. You will hear further from him in this regard as he is in active charge of all examination and exploration work for this company.

Yours very truly,

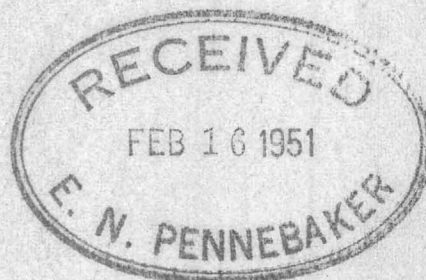
CONSOLIDATED COPPERMINES CORPORATION,

By

A. J. O'Connor, General Manager.

AJO'C/ps

cc - Mr. E. N. Pennebaker
(w/encls)



(C O P Y)

N. A. Bowers
184 Tuscaloosa Avenue
Atherton, Calif.

1 Feb 1951

Mr. Arthur J. O'Connor,
General Manager,
Consolidated Coppermines Corp.,
Kimberly, Nevada.

Dear Sir:

Would your company be interested in developing copper mining property in Arizona, perhaps on the basis of paying owner a royalty when profit is realized?

The claims, described in the attached, were patented by my cousin, Charles H. Bowers, long ago. His widow, who has been paying the taxes, asks me to see whether some way can be found to make the property productive.

If your company is not interested I would appreciate any suggestions you may care to make.

Yours very truly,

(SIGNED) NATHAN A. BOWERS.



(C O P Y)

"Morning Star" and "Tip Top" Mining Claims

(Estate of Charles H. Bowers)

Two mining claims patented by the late Charles H. Bowers (CHB in the following) are in Yavapai County, Ariz., about ten miles west of the United Verde mine at Jerome; $8\frac{1}{2}$ mi. east of the Santa Fe Prescott and Phoenix RR and about 22 mi. northeast of Prescott. The claims are full size, each 300 x 1500 ft.

The CHB property is on what is believed to be a continuation of the United Verde vein but which was separated from the Jerome part of the deposit when the intervening range of mountains (between these claims and Jerome) was thrown up. This theory is supported by the fact that the United Verde and the CHB holdings have identical formation and there are no others like it in this region.

Early in 1923 CHB wrote the following about his claims:

"This is what I call a copper-and-gold property. The vein is a very heavy iron schist and is to my knowledge at least 50 ft. wide at the 150-ft. level.

"On the Morning Star claim there is a shaft 165 ft. deep with cross cuts or drifts at 100 145 and 160-ft. levels. *** The shaft did not need timbering. *** The breast of the drift at the 160-ft. level is entirely in ore with an average value of 8 or 12% copper. *** An assay taken across the entire shaft showed \$2.50 per ton gold.

"The other clai, the Tip Top, which adjoins the Morning Star on the south, has been explored by four shafts, 4 to 45 ft. deep, a 30-ft. tunnel and a 60-ft. open cut. All these show very heavy mineralized formations of copper ore."



XXXXXXXXXXXXXXXX

Box 127
Safford, Arizona
January 5, 1951

Yavapai County

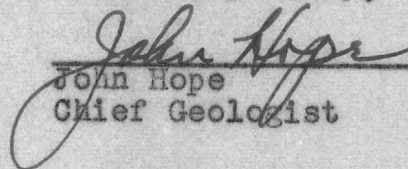
Mr. P. R. Helm
411 E. 1st. Ave.
Scottsdale, Arizona

Dear Mr. Helm:

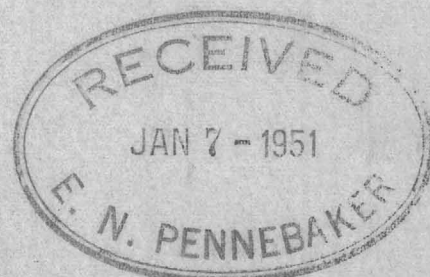
I recently discussed the geological aspects of your Springfield and Gorilla mines with Mr. Pennebaker. While we recognize that the property has some merit in a small way, it is not the type of venture in which we would be interested.

We want to express our thanks for bringing this to our attention and for the cooperation of your two sons in making the examination.

Yours very truly,



John Hope
Chief Geologist



P. R. Helm,
Scottsdale, Ariz.,
411 E. 1st., Ave.,
Phone 6-4375,
Dec. 23, 1950.

Mr. E. N. Pennebacker,
Globe, Ariz.

Dear Mr. Pennebacker:

My son a veteran who has returned from air service in the Philippines, and who is attending the University at Tucson, is home for the Holidays.

He knows the Springfield and most any time next week after Christmas would be available to act as your guide to the property. By leaving here fairly early in the morning a very good overall look at the property could be made in one day.

The snow seems to be holding off so this letter is being written on the off chance that your affairs may have so shaped themselves that you will be able to use my son as guide while he is here next week.

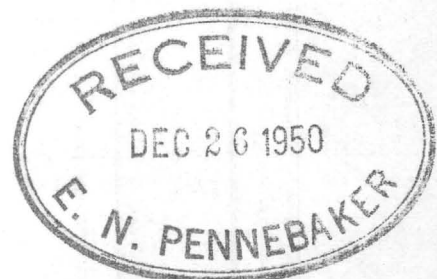
I have given our telephone number but there will be no one here able to answer except in the evening or Sunday or the Holidays.

If this segestion fits in with your plans you can easily find out by telephone when you would both be able to get together and make the trip.

Very sincerely,



P. R. Helm.



December 12, 1950

Mr. P. R. Helm
Box 644
Scottsdale, Arizona

Dear Mr. Helm:

Mr. A. J. O'Connor, general manager of Consolidated Coppermines Corporation at Kimberly, Nevada, has forwarded me your letter of October 30, 1950, concerning the Springfield group of claims near Crown King, Arizona. I regret that my reply has been delayed due to several weeks' absence from my office.

We should like to have a look at this area, but just now all our field men are occupied on other jobs and I am not sure just when an examination can be made. We shall get in touch with you just as soon as we see our way clear.

I note that you own a half interest in this ground. Can you tell us who the other owners are and if they are reasonably inclined toward negotiation?

Yours very truly,

cc: Mr. A. J. O'Connor
Mr. John Hope, Jr.

FROM A. J. O'Connor, General Manager
TO E. N. Pennebaker, Consulting Geologist
SUBJECT

CITY Kimberly, Nevada
DATE November 21, 1950

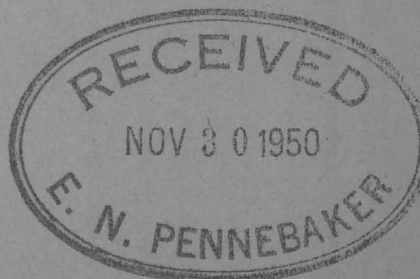
Dear Penny:

I am enclosing a letter from a Mr. P. R. Helm of Scottsdale, Arizona, regarding his group of claims near Crown King, Arizona. I am also enclosing a carbon copy of my letter to Mr. Helm. As indicated in my letter, I think it would be best if you were to contact him and handle the matter entirely from Arizona.

Best regards,

A. J. O'Connor

AJO'C/mc
Encl.



COPY

CONSOLIDATED COPPERMINES CORPORATION
KIMBERLY, NEVADA

November 21, 1950

Mr. P. R. Helm
P. O. Box 644
Scottsdale, Arizona

Dear Sir:

Your letter of October 30, 1950, addressed to our Mr. H. W. Bishop, has been turned over to me to answer.

At the present time our Consulting Geologist, Mr. E. N. Pennebaker, is doing field work in Arizona. I am taking the liberty of forwarding your letter to him for his consideration and for what further action he may decide upon. Mr. Pennebaker will notify you of his plans in this respect.

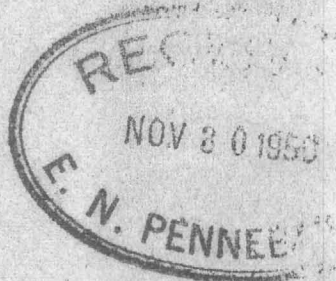
We appreciate your calling this property to our attention.

Yours very truly,

CONSOLIDATED COPPERMINES CORPORATION

Original Signed By
A. J. O'CONNOR

By: _____
A. J. O'Connor
General Manager



AJO'C/mc
cc - Mr. E. N. Pennebaker

P.O. Box 644
Scottsdale , Arizona
October 30, 1950

Mr H.W.Bishop
Consolidated Copper Mines Corp.
Kimberly, Nevada

Dear Mr Bishop,

I own a half interest in a group of eleven copper claims.,
The Springfield group, near Crown King , Arizona.

This is a chimney type deposit similar to the Duluth Mine
at Cananea and others and it is our opinion that these chimneys
eminate from a large ore body at depth as do the others.

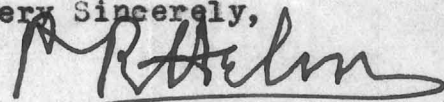
Two of the chimneys have been opened in a small way and
there are surface indications of other chimneys pretty well over
the property

As managing partner I worked one of these chimneys in a
limited way on a small RFC loan beginning in 1944 and continuing
intermittently until 1947. Partly on account of the small opera-
tion but chiefly because of the high cost of transportation to the
smelter we had to close. We have made a tabulation from smelter
returns of the cars shipped. This gives complete information on the
character and values of the ores. These cars averaged about 4 %
copper, about 2 oz. in silver and a small but consistent amount
of gold. Rarely high enough for smelter payment but if the ore were
milled and concentrated it would help pay production costs. The
interesting feature of this record is the uniform character and
value of the ore in all these cars. The work done shows justifica-
tion for further exploratory development.

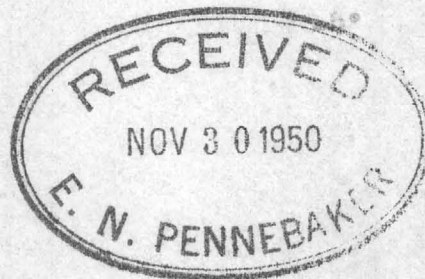
In my opinion there should be sufficient diamond drilling
to show the location and extent of the ore body so the proper de-
velopment program could be planned.

If you are interested in acquiring further copper interest
I believe this property is worthy of your investigation. Shall be
glad to answer any questions you may have. and can supply copy of
of tabulation of smelter returns.

Very Sincerely,



P. R. Helm



THE AMERICAN METAL COMPANY, LIMITED

61 BROADWAY
NEW YORK 6, N.Y.

TELEPHONE BOWLING GREEN 9-1800
CABLE ADDRESS: EFFLUX, NEW YORK

JP:MHD

PLEASE ADDRESS REPLY TO MINING DEPARTMENT

September 1, 1950

SUBJECT: BLACK CANYON COPPER CO. INC.

Mr. E. N. Pennebaker,
P. O. Box 2996,
Globe, Arizona.

Dear Penny:

During the past week Mr. J. W. England, Jr. and his associates have been in New York and have called on us to present the Kay Copper Mine near Rock Springs, Arizona, which is owned by the Black Canyon Copper Company, Inc. A short time ago I sent you our old files on this property. While I have no idea as to the accuracy of the description of Mr. England, the data he has given me indicates the property to have more merit than our old files indicate. Therefore it may very well justify a preliminary examination, although I leave this entirely up to you.

According to Mr. England, the ore reserves are approximately 200,000 tons at around 5% copper to the 600' level. I understand the mine is full of water below that level but that some development has been done and some ore either found or indicated. England also mentioned lateral possibilities, but I do not know anything concrete about these possibilities.

The Black Canyon Copper Company, Inc. holds the property on a bond and lease from the original owners who are three individuals. The option price is \$150,000, payable out of 10% royalties. The Black Canyon Copper Company, Inc. is also owned by three individuals. Its capital is 100,000 shares at \$1 per share, all of which have been subscribed and paid for. The owners claim to have spent about \$60,000 on the property and have been shipping some ore to the smelters at Clarkdale and El Paso. They claim the title is clear. It is a tax title granted in 1936.

I discussed the terms briefly and they would be agreeable either to a participation, outright purchase, or purchase out of royalties. My feeling is that their price, on top of the option price at which they hold the property,

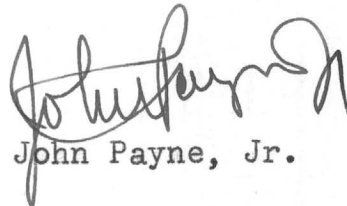
September 1, 1950

will make the total sum so great that it will be too much for the size of the ore-body and future possibilities of this property. However, I believe that the property justifies a preliminary examination to determine whether it has sufficient merit to warrant further discussion of terms.

Would you please let me know whether you or some other member of your staff would be interested in examining the property. If so, I can communicate with Mr. England or arrange that you do so directly so that he can show the property to you.

Very best regards.

Sincerely yours,



John Payne, Jr.

cc Mr. Dooley P. Wheeler, Jr.

THE AMERICAN METAL COMPANY, LIMITED
61 BROADWAY
NEW YORK 6, N. Y.

COPY

JP:MHD

MINING DEPARTMENT

September 1, 1950

BLACK CANYON COPPER CO. INC.

Mr. James W. England, Jr.,
135 Hollywood Avenue,
Douglaston, L. I.

Dear Mr. England:

Pursuant to our recent conversation, we shall endeavor to have one of our geologists or a geologist associated with us examine the Kay Copper Mine near Rock Springs, Arizona, which is owned by the Black Canyon Copper Company, Inc. We cannot assure you as to when this examination may be made but will attempt to advise you in advance of the arrival of the geologist if the examination is to be carried out.

If in the opinion of the geologist the property would be of interest to us, we could then undertake further discussion of terms under which it might be acquired.

Very truly yours,

John Payne, Jr.

bcc Mr. E. N. Pennebaker
Mr. Dooley P. Wheeler, Jr.

THE AMERICAN METAL COMPANY, LIMITED
61 BROADWAY
NEW YORK 6, N.Y.

TELEPHONE BOWLING GREEN 9-1800
CABLE ADDRESS: EFFLUX, NEW YORK

PLEASE ADDRESS REPLY TO Mining Department

SUBJECT:

REGISTERED

JP:ART

August 24, 1950

Mr. E. N. Pennebaker
P. O. Box 2996
Globe, Arizona

Re: Black Canyon Copper Property,
Turkey Creek District, near
Prescott, Yavapai County, Ariz.

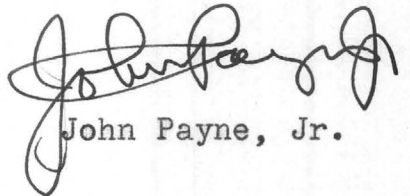
Dear Penny:

The above property has recently come to our attention and from looking over our old files it does not appear to be of particular interest. However, I understand that some work is currently being carried out on it and it is always possible that something of interest might have been opened up.

I am sending you herewith our file in the event you would wish to check up on this property in connection with our joint program with Coppermines. I leave it entirely up to you as to whether you believe this property is worth a look-see. Will you please return the file by registered mail when you are through with it.

Very best regards,

Sincerely yours,


John Payne, Jr.

Enc.

cc- Mr. D. P. Wheeler, Jr.

Yavapai County

April 25, 1949

Mr. Jim England
944 East Van Buren
Phoenix, Arizona

Dear Mr. England:

Mr. John A. Richards of Tiger, Arizona, has suggested that I write you regarding the Kay copper mine. I am representing Consolidated Coppermines Corporation of Kimberly, Nevada, and we are interested in learning about worthwhile mines and prospects in Arizona. We should be glad to correspond with you regarding a possible visit to this property.

Unfortunately, I shall be leaving Arizona before long and would be unable to see the property myself. However, Mr. John Hope, Jr., Chief geologist for Consolidated Coppermines Corporation, can be contacted and a visit arranged with him. If you are interested in doing this, I suggest that you write him at General Delivery, Florence, Arizona.

Yours very truly,

cc: Mr. John Hope, Jr.
Mr. John A. Richards

573
 Receipt for Registered Article No. _____
 Registered at the Post Office indicated in the Postmark _____

Fee paid _____ cents Class postage _____

Declared value _____ Surcharge paid \$ _____

Return Receipt fee _____ Spl. Del'y fee _____
 Delivery restricted to addressee: _____

in person _____, or order _____ Fee paid _____
 Accepting employee will place his initials in space
 indicating restricted delivery.

POSTMASTER, per _____

MAILING OFFICE)

The sender should write the name of the addressee on back hereof as an identification. Preserve and submit this receipt in case of inquiry or application for indemnity. Indemnity claims must be filed within one year (C. O. D. six months) from date of mailing.

Registry Fees and Indemnity.—Consult postmaster as to the specific domestic registry fees and surcharges and limits of indemnity and as to the registry fees chargeable on registered parcel-post packages for foreign countries.



~~Julien Payne~~
Kay Coker

25
37



September 7, 1950

Mr. John Payne, Jr.
Mining Department
The American Metal Company, Limited
61 Broadway
New York 6, New York

Dear John:

This acknowledges receipt of your letters of August 24 and September 1, 1950, along with accompanying information relative to the Kay Copper property in the Black Canyon section of Yavapai County, Arizona.

A year or more ago John Hope gave some consideration to this property but did not follow it up because the ore lenses were reported to be relatively small and much of the mine was under water. In April, 1949, Jim England brought the property to Jack Richards' attention, and Jack referred him to us. I believe it was this that started John Hope's interest in the Kay Copper.

It was our plan several months ago to establish an exploration party in Prescott to comb this area thoroughly, looking for leached outcrops and to examine the Kay area along with others. It was my hope that this method would give us leads to other and perhaps better lenses lying parallel and en echelon. However, our success in finding a promising region down south near the Border made it necessary to postpone these plans.

At present, our position is this: If we are able to option the property on the south, as we hope to do soon, we shall all be too busy with it to examine the Kay for some time to come. If we are unsuccessful in this negotiation, then we shall soon have a party in Prescott and we can have a look at the Black Canyon area. Just now it would help if you could stall these Kay Copper people along until we know just what our future activities will be.

Many thanks for drawing this property to our attention again. I am returning your file under separate cover by ordinary mail, registered.

With kindest regards,

Yours sincerely,

cc: Mr. John Hope, Jr.

Prescott, Arizona
October 6, 1951

Mr. E. N. Pennebaker
Box 817
Scottsdale, Arizona

Dear Penny:

By the time you receive this you will probably have received the American Metal Company reports by registered mail. I have made a copy of them.

Sego's letter implies that he wishes to be contacted before an examination of the properties is made. I believe, however, that I could conduct an examination and write the reports just as well without contacting him. Do you think that would be satisfactory with everyone? I know where the Swastika mine is but I might have a little difficulty finding the mine $12\frac{1}{2}$ miles from Wickenburg. He is rather vague in his descriptions.

I will wait for your answer before I proceed with the examination.

Best regards,

Ray

cc: F. Sharp



October 9, 1951

Mr. R. W. Ludden
100 Lazy Lane, Route 2
Prescott, Arizona

Dear Ray:

I have the draft of your report on Humboldt Copper Mines, submitted nearly a month after the property was examined. Assay returns can be obtained within a week, and, in the future such reports must be in my hands not later than two weeks after the property is examined.

Do not again send me your report draft to be corrected and re-written. I am to receive finished reports of substantial excellence, copies of which I shall be able to transmit to New York. As a university graduate of a good school, you are hired on the assumption that you can prepare a satisfactory short report, properly organized and in good English. On the other hand, we do not expect you to be an accomplished stenographer, and if you send me one copy properly finished with several copies of the maps or sketches, my typist will make the duplicates for distribution.

The Humboldt report is not of satisfactory quality as regards statements covering geology, English, and punctuation. In this instance, I have re-written it in the form of a rough draft, but I shall not do so again with future reports. In the present case, I want you to spend another day in the field at the property, then again write the report, and have it back to me within a week.

Report writing is one of the important things that the economic geologist has to do. If it is not done well, he does not get ahead. Talent in this respect can be acquired; there are a number of good books on English composition and report writing, and many universities give worthwhile extension courses.

This is a frank letter because I insist on good work in this respect and because I am interested in seeing you advance in your career.

Yours sincerely,

ENP: jmp

PS: Under separate cover, I am forwarding various township and patent plats of the area south of the Iron King. You can sketch in on these the mineralized zones that we recently scouted.

CONCLUSIONS:

The better copper showings on the property of Humboldt Copper Mines appear to be those associated with quartz veins. However, their possible value, as determined by analysis of outcrops, from dump material, and from underground inspection is judged to be too low to warrant their further exploration.

It is recommended that the property receive no more attention.

INTRODUCTION

The Humboldt Copper Mines property was examined on September 10, 1951, by myself and my assistant, S. Brown. We were accompanied on our examination by A. Syverson and A. R. Brashear, representing the owners.

The claims inspected are located mostly in Sections 13 and 14; T. 13N.; R. 1 $\frac{1}{2}$ E. and are about 2 $\frac{1}{2}$ miles due east of Humboldt, Yavapai County, Arizona. They are owned by A. R. Brashear of Cleator, Arizona, and P. W. Hoff of Idaho Falls, Idaho. The property consists of 26 contiguous claims, twelve of which are patented.

Only a small percentage of the workings were accessible at the time of our examination. They consisted of (1) various shallow shafts and pits; (2) the Brashear tunnel, which is 46 feet long and situated on the Laura claim; (3) the Swiss Girl tunnel, which is found on the Swiss Girl claim and is still open for 125 feet; and (4) about 60 feet of the Alice shaft. Old reports describe the following workings:

Laura claim: A 300-foot inclined shaft with several hundred feet of drifts on the 100 and 200-foot levels;

Swiss Girl claim: A 900-foot inclined shaft and an adit 250 feet long which connected with the Swiss Girl shaft on the 100-foot level;

Baby claim: A 130-foot vertical shaft and a 60-foot vertical shaft;

Iron Cliff claim: A 25-foot vertical shaft;

Iron Mask claim: A 275-foot adit;

Alice claim: A 208-foot vertical shaft;

Arizona claim: Vertical shafts 30 and 67 feet deep.

The claims are said to have been located in 1902 by the late Jules Baumann. Between 1902 and 1908, and again from 1911 to 1917, copper ore shipments were reportedly made, although no smelter returns are available. The present owners purchased the property at tax sale in 1948. Formerly it was owned by the Baumann Mines Company.

GEOLOGY

Most of the outcrops on the property consist of a medium to coarse grained granite, which is probably the pre-Cambrian Bradshaw granite. The contact of Yavapai schist against this rock is found near the center of the Pivot claim, and from here it strikes approximately north and south. On the north, a stock of diorite comes in contact with the granite about 200 feet north of the Brashear tunnel on the Laura claim.

On the property of Humboldt Copper Mines, predominant mineralization is displayed in (which formations?) as:

- (1) An altered and iron-stained area on the Swiss Girl claim (size?) apparently derived from the oxidation of pyrite;
- (2) Quartz veins (size?) containing variable amounts of copper (in the form of _____, an oxidation product after _____.); and
- (3) Mineralized fault zones which exhibit some evidence of copper (how?)

The quartz veins generally strike between N-S and N 20 W and dip approximately 60 degrees east. They usually carry some copper (in the form of _____), but surface inspection and assays (of oxidized material or sulphides?) indicated very low copper content, averaging about _____% cu. (Are the quartz veins numerous or few? Are they evenly spaced or do they occur in groups? How thick are they? How persistent?)

The mineralized fault zones strike about N 60 E and are approximately vertical. They are not persistent, their average length being about 200 feet. Evidence of copper in these zones is weak and is in the form of _____.

The depth of oxidation at various places on the property ranges from a few feet to at least 200 feet. Copper occurs as _____, _____, and _____ in the oxidized zone and as _____, _____, and _____ in the sulphide zone. The amount of secondary sulphide enrichment appears to be _____.

In summary, the fracture pattern in the granite is _____. Mineralization consists of rock alteration whereby _____, _____, and _____ were formed and of primary metallization in which _____ and _____ were deposited. Past exploration found only limited copper ore confined to quartz veins. My examination of outcrops and accessible working indicated that no further exploration is warranted.

I recommend that this property be turned down.

LAW OFFICES
GUYNN & TWITTY
TITLE & TRUST BUILDING
PHOENIX, ARIZONA
January 7, 1952

C. LEO GUYNN
HOWARD A. TWITTY



Mr. J. Frank Sharp
Box 127
Safford, Arizona

Re: Humbolt Project

Dear Frank:

Recently I was out at the State Land Department and checked further on the ownership of Sections 29 and 34, Township 13 North, Range 1 East. This letter will supplement information previously furnished.

Except for patented mining claims the records of the Public Land Office and the Arizona State Land Department show all of Section 29 open to location. The patented mining claims are those mining claims included in Mineral Surveys 1158, 1242, 1265, 1635, 1956, 4191 and 4175 and Lot No. 37 (Mineral Survey).

Except for patented mining claims and the E $\frac{1}{2}$ of the NE $\frac{1}{4}$, all of Section 34 is open to location. The E $\frac{1}{2}$ of the NE $\frac{1}{4}$ of Section 34 is owned by the State of Arizona and any mining claims in this section, of course, would be subject to the state law with respect to leasing state owned mineral lands.

Inclosed is a notice of mining location which should be used when any mining claims are located on land in which the state owns the mineral rights. We can secure additional copies of this form from the State Land Department upon request.

With kind personal regards, we remain

Very truly yours,

GUYNN & TWITTY

By

A handwritten signature in cursive script that reads "Howard A. Twitty".

HAT/mch
Enclosure
cc: Mr. Pennebaker

May 13, 1953

Mr. Thomas G. Moore
Mgr., Geol. & Expl. Dept.
The American Metal Co., Ltd.
61 Broadway
New York 6, N. Y.

Dear Tom:

On May 11 I showed Mike Weaver of the R. S. McClintock Company over the ground to be drilled near Humboldt. Enclosed is his cost proposal just received in the mail.

From his experience in this district, Weaver recommends drilling the hole with the larger diameters, in which I concur.

The following is my forecast of how the costs might go:

0	-	20'	-- collarpipe-----	20'	@	\$6.00-----	\$	120.00
20'	-	80'	-- NX	-----	60'	@	5.40-----	324.00
80'	-	250'	-- BX	-----	170'	@	4.90-----	833.00
250'	-	400'	-- BX	-----	150'	@	5.25-----	787.50
400'	-	500'	-- AX	-----	100'	@	5.00-----	<u>500.00</u>
Total Drilling.....								\$2,564.50
Mobilization and Demobilization								\$ 420.00
Contingencies: cementing, casing, or drilling deeper than estimated to hit vein.....								<u>\$2,000.00</u>
TOTAL.....								\$4,984.50

It is proposed to cut the vein at an elevation about 300 feet vertically below the surface outcrop. Depending upon the dip of the vein and the amount of deviation of the hole (started at minus 45 degrees) this should require from 400 to 500 feet of hole.

If all goes (very) well and no cementing is required, you will see from the above estimate that 400 feet of hole just about satisfies the monetary value of the assessment work required.

Mr. Thomas G. Moore - Page 2 - May 13, 1953

Weaver will start about June 1st and estimates approximately a month for the job on a one-shift basis (he will put on two shifts if we insist). If the work should lap over into July, no penalty accrues to us as regards the assessment requirement, provided the work is being diligently carried out. In fact, if we end up near July 1st it is to our advantage, because if we hit something surprisingly good we can drill another hole for the following year's assessment work without additional mobilization and demobilization charges.

If McClintock's proposal meets with your approval you can either close the deal by writing him or advising me to do the same, as an exchange of letters is all that is required. I suggest that this be done as soon as possible so that Weaver can get off to a head start in clearing the site.

With kind regards,

Yours sincerely

E. N. PENNEBAKER

ENP:mc
encl.

May 13, 1953

Mr. Thomas G. Moore
Mgr., Geol. & Expl. Dept.
The American Metal Co., Ltd.
61 Broadway
New York 6, N. Y.

Dear Tom:

On May 11 I showed Mike Weaver of the R. S. McClintock Company over the ground to be drilled near Humboldt. Enclosed is his cost proposal just received in the mail.

From his experience in this district, Weaver recommends drilling the hole with the larger diameters, in which I concur.

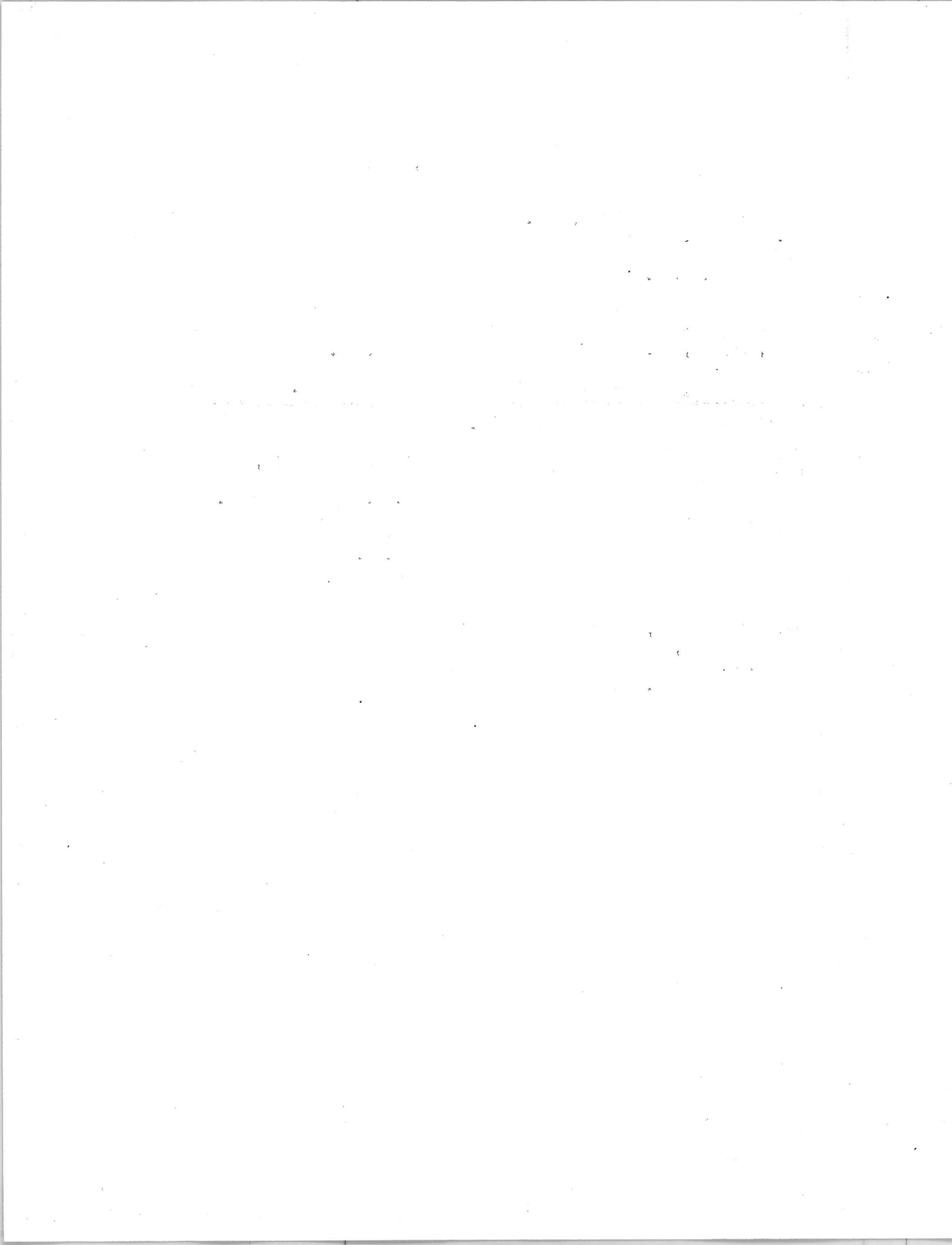
The following is my forecast of how the costs might go:

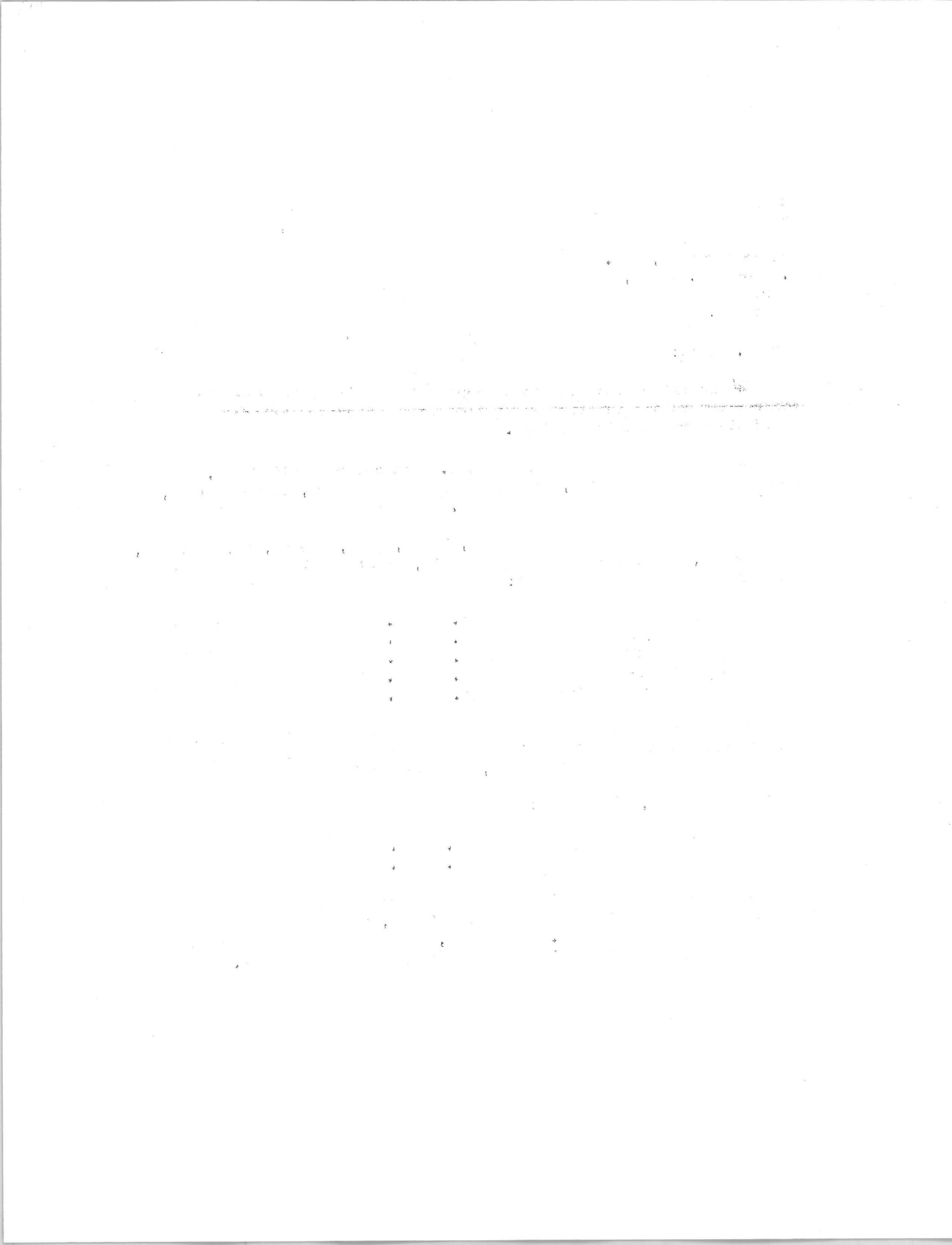
0 - 20'	-- collarpipe	-----20'	@ \$6.00	-----	\$ 120.00
20'- 80'	-- NX	-----60'	@ 5.40	-----	324.00
80'-250'	-- BX	-----170'	@ 4.90	-----	833.00
250'-400'	-- BX	-----150'	@ 5.25	-----	787.50
400'-500'	-- AX	-----100'	@ 5.00	-----	<u>500.00</u>
Total Drilling					\$2,564.50
Mobilization and Demobilization					\$ 420.00
Contingencies: cementing, casing, or drilling deeper than estimated to hit vein.....					<u>\$2,000.00</u>
TOTAL.....					\$4,984.50

It is proposed to cut the vein at an elevation about 300 feet vertically below the surface outcrop. Depending upon the dip of the vein and the amount of deviation of the hole (started at minus 45 degrees) this should require from 400 to 500 feet of hole.

If all goes (very) well and no cementing is required, you will see from the above estimate that 400 feet of hole just about satisfies the monetary value of the assessment work required.

over





Globe, Arizona
May 11, 1953

Amco Exploration, Inc.
Mr. Thomas G. Moore, Vice President
61 Broadway
New York 6, New York

Dear Mr. Moore:

We understand you wish to diamond drill an angle hole on the property and at the location we visited today which is expected to bottom at approximately 500 feet.

We wish to submit a price of \$420.00 to cover mobilization, transportation of supplies, travel expense of drillers, clearing road, leveling drill site and demobilization.

We propose to furnish the drill, labor, rods, casing, core barrels, diamond bits, water truck and storage tank, and to haul our own water at the following prices per foot:

Collarpipe	0 to 20 ft. @	\$6.00
NX	0 to 100 ft. @	5.40
BX	0 to 250 ft. @	4.90
BX	250 to 500 ft. @	5.25
AX	250 to 500 ft. @	\$5.00

In the event loose or caving conditions are encountered or water courses which in the Contractor's opinion make drilling impractical without the use of cement or casing, a charge will be made for placing cement and redrilling the cemented portion of the hole or for reaming and placing casing, as follows:

Drilling cement	0 to 500 ft. @	\$3.25 per foot
Ream casing	0 to 500 ft. @	\$3.00 per foot

Should delays occur not due to Contractor's fault or for the convenience of your Company such as acid tests, we will expect to be reimbursed at the rate of \$8.00 per hour, and we will expect our costs for materials left in the holes at the request of your Company.

May 11, 1953


Page two
Letter: Amco Exploration, Inc.
Mr. Thomas G. Moore
61 Broadway
New York 6, N. Y.

Our employees will be covered by State Industrial Insurance and the Contractor carries Liability Insurance in the amount of \$100,000/300,000. and Property Damage for \$100,000.

I appreciate the courtesies extended to me by Mr. Pennebaker while visiting the drill site and thank you for the opportunity of furnishing you with our Proposal.

Yours very truly,

R. S. MC CLINTOCK CO.

by 
M. B. Weaver
Southwest Manager

cc: Philip Irwin, President
Spokane, Washington
E. N. Pennebaker
Scottsdale, Arizona

EASTMAN TOPOGRAPHIC NITRATE

10-13-40

COU 9 - 53

EASTMAN TOPOGRAPHIC NITRATE

10-13-40

COU 9 - 52

TOPOGRAPHIC NITRATE

EASTMAN TOPOGRAPHIC NITRATE

10-13-40

COU 9 - 52

EASTMAN TOPOGRAPHIC NITRATE

10-13-40

COU 9 - 51

TOPOGRAPHIC NITRATE



Claim Located 190 6
15 8
 Mineral Survey No. 1711
 Lot No. Prescott. Land District.
PLAT
 OF THE CLAIM OF
American Copper Company.
 KNOWN AS THE
 IRON KING, WESTERN COPPER, BONANZA, SURE THING, EASTERN COPPER, COPPER CHIEF, LIME ROCK, COPPER PLATTER, COPPER PRINCE NO. 1, COPPER PRINCE NO. 2, COPPER ROAD, NEW ROAD, COPPER VAN, COPPER PRINCE, COPPER MOUNT, COPPER READE, COPPER PRINCESS, COPPER PEACH, COPPER DYKE AND COPPER PRODUCE.
 IN MINING DISTRICT,
 Big Bug COUNTY, Arizona
 Yavapai
 Containing an Area of 113.20 Acres.
 Scale of 800 Feet to the inch.
 Variation 14' E.
 SURVEYED October 6-11, 1902 BY
 J. J. Fisher.
 U.S. Deputy Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of American Copper Company known as the
 IRON KING, WESTERN COPPER, BONANZA, SURE THING, EASTERN COPPER, COPPER CHIEF, LIME ROCK, COPPER PLATTER, COPPER PRINCE NO. 1, COPPER PRINCE NO. 2, COPPER ROAD, NEW ROAD, COPPER VAN, COPPER PRINCE, COPPER MOUNT, COPPER READE, COPPER PRINCESS, COPPER PEACH, COPPER DYKE AND COPPER PRODUCE.

from which this plat has been made under my direction, have been examined and approved, and are on file in this office, and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or its grantors, and that said improvements consist of 28 shafts, 3 cross-cuts, 2 tunnels, 700 ft. drifts, steam hoist, houses, office etc.

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office.
 Phoenix Ariz.
 Dec 20, 1904
 U.S. Surveyor General for
 Arizona.

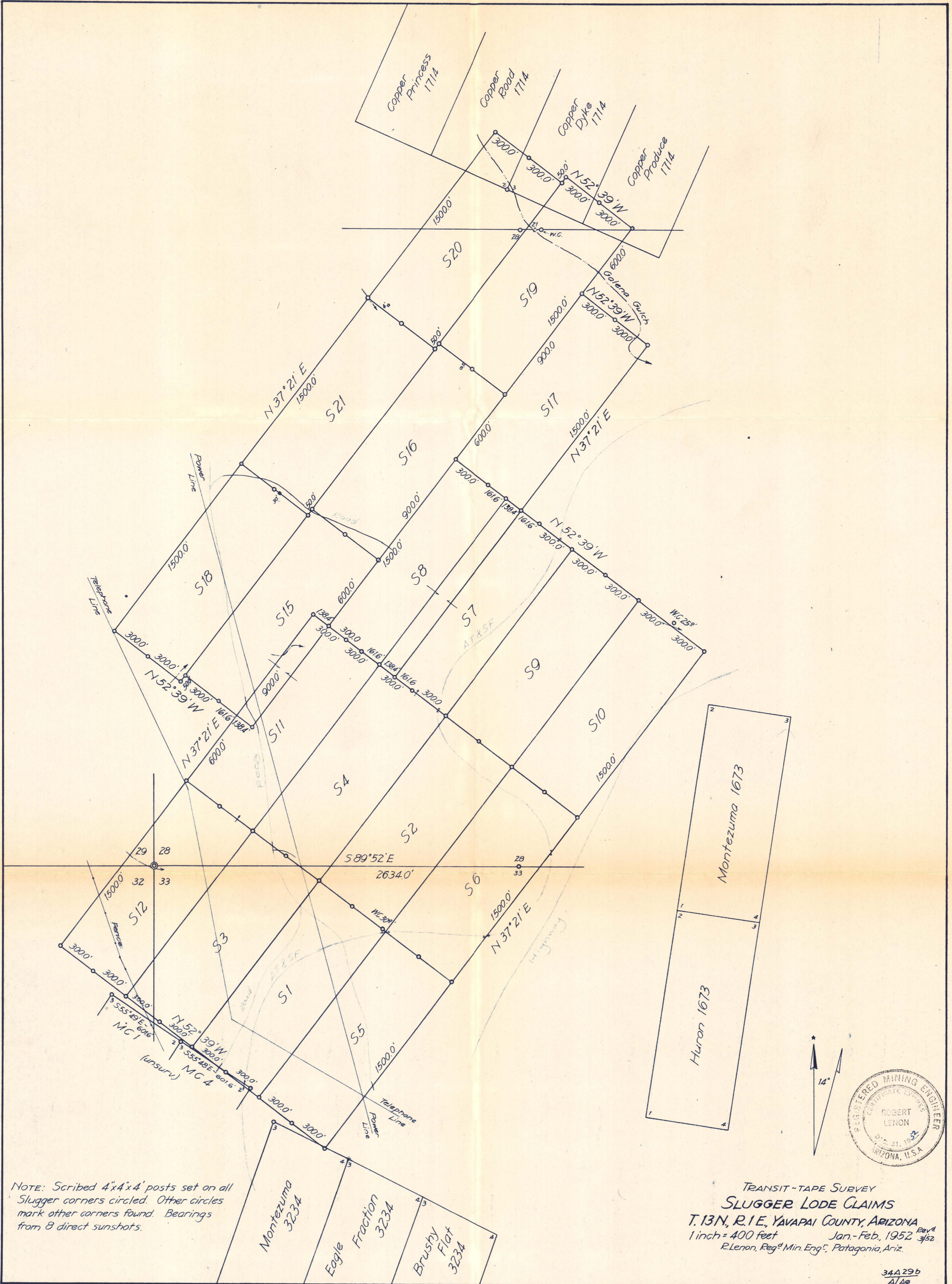
NOTE

NAME.	CLAIMS LOCATED	ACRES
IRON KING	JAN. 23, 1902 AMENDED	20.66
WESTERN COPPER	JAN. 23, 1902 AMENDED	20.66
BONANZA	"	20.66
SURE THING	"	20.66
EASTERN COPPER	"	20.66
COPPER CHIEF	"	20.66
LIME ROCK	"	20.66
COPPER PLATTER	"	20.66
COPPER PRINCE NO. 1	"	20.66
COPPER PRINCE NO. 2	"	20.66
COPPER PRINCE	"	20.66
COPPER MOUNT	"	20.66
COPPER VAN	"	20.66
NEW ROAD	"	20.66
COPPER READE	"	20.66
COPPER PEACH	"	20.66
COPPER PRINCESS	"	20.66
COPPER ROAD	"	20.66
COPPER DYKE	"	20.66
COPPER PRODUCE	"	20.66
NET AREA 100% CLAIM		113.20

Sec. 22.

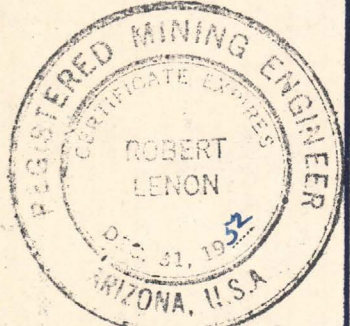
Sec. 28.

Sec. 27.



NOTE: Scribed 4'x4'x4' posts set on all Sluiger corners circled. Other circles mark other corners found. Bearings from 8 direct sunshots.

TRANSIT-TAPE SURVEY
SLUGGER LODGE CLAIMS
 T. 13N, R. 1E, YAVAPAI COUNTY, ARIZONA
 1 inch = 400 feet Jan.-Feb, 1952
 R. Lenon, Reg^d Min. Eng^s, Patagonia, Ariz.

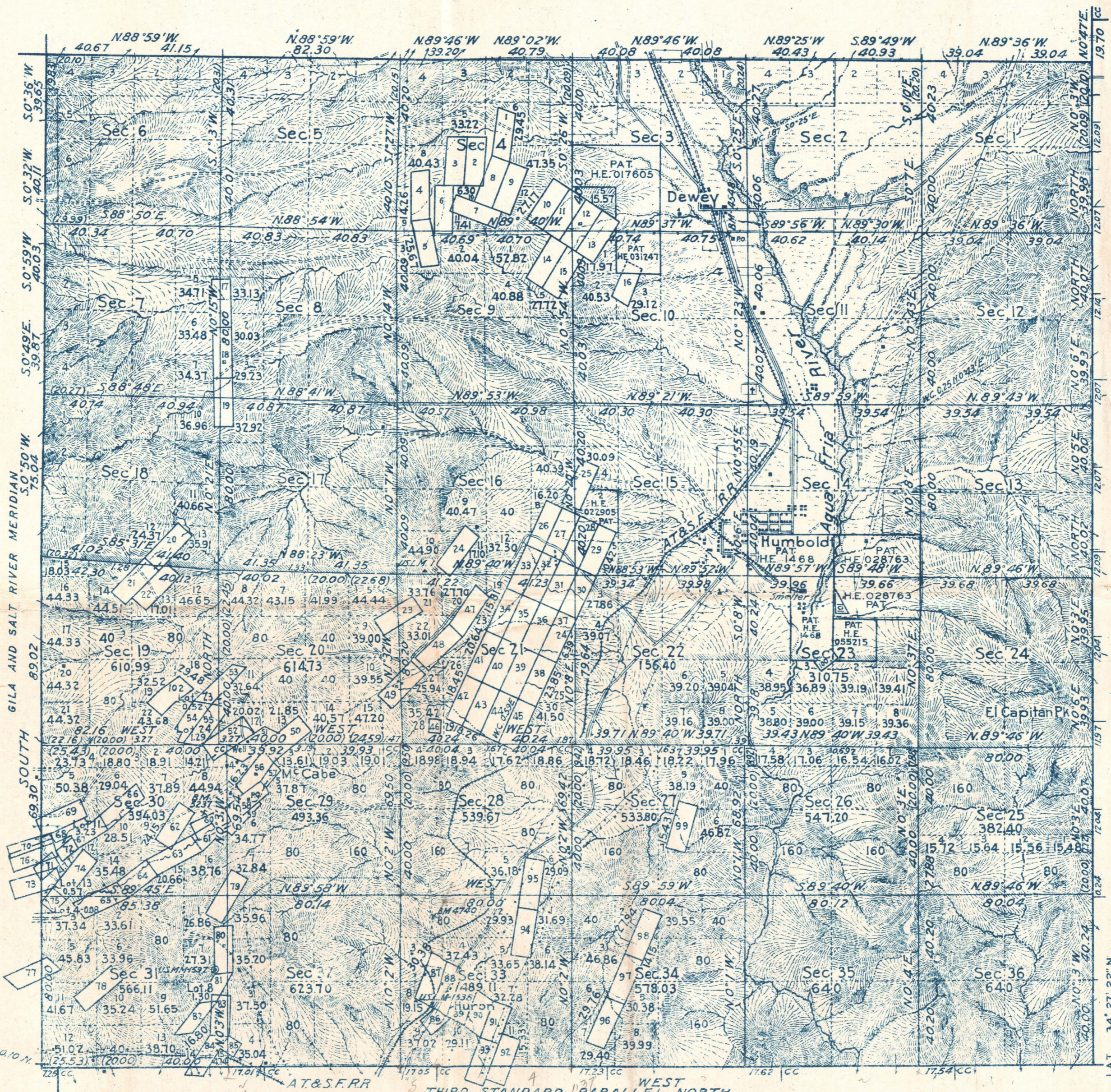


RESURVEY AND SURVEY OF TOWNSHIP N° 13 NORTH, RANGE N° 1 EAST, GILA AND SALT RIVER MERIDIAN, ARIZONA

With reference to all areas returned as surveyed on the plat approved October 20, 1871, except sections 19 and 20, this plat of the resurvey of T. 13 N., R. 1 E., delineates a retracement and reestablishment of the lines of the original survey as shown upon the plat approved October 20, 1871, in their true original position according to the best available evidence of the position of the original corners; all differences between the measurements shown on the original plat and those derived in the retracement have been distributed proportionally between accepted corners in accordance with surveying rules; reference will be made to the original plat for the showing of the areas and more detailed descriptions of the various smaller subdivisions of the sections shown thereon, except as to sections 19 and 20, and the portions of those sections wherein mining claims have been segregated as shown on this plat.

Sections 19 and 20 are independently resurveyed, and all data relating thereto as shown on this plat supersedes that of all previously approved plats thereof on file.

The segregation of mining claims shown hereon in sections 15, 16, 18, 21 and 22 supersedes that shown on supplemental plat of this township approved August 12, 1904, and on supplemental plat of section 18, approved March 10, 1920, except as to patented Lot 2 of section 15.



NO.	NAME	SURVEY
1	CHAMPAGNE	
2	BIG FOUR	
3	ENGLISH COIN	
4	2ND INDEPENDENCE	
5	INDEPENDENCE	
6	3RD INDEPENDENCE	
7	AUSTRALIAN MINE	
8	KEYSTONE	
9	BUCKEYE	
10	OMAHA MINE	3683
11	CHAS. DAVIS	
12	GUARANTEE	
13	GOLD STANDARD	
14	COUSIN JANE	3682
15	ANNE LOUISE	
16	STAMBO KING	
17	SMUGLER	2279
18	READ STAR	
19	ELDORADO	
20	WILLOW TREE	1601
21	GOLD NUT	
22	GOLD LEAF	
23	WALTER	3961
24	AGUA FRIO NO. 2	24
25	IRON KING EXT. NO. 1	1855
26	WESTERN COPPER	171
27	BONANZA	
28	SURE THING	
29	EASTERN COPPER	
30	COPPER PLATTER	
31	LIME ROCK	
32	IRON KING	
33	COPPER CHIEF	
34	COPPER PRINCE NO. 1	
35	COPPER PRINCE	
36	COPPER MOUNT	
37	COPPER VAN	
38	COPPER PEACH	
39	COPPER READE	
40	NEW ROAD	
41	COPPER PRINCE NO. 2	
42	COPPER PRINCESS	
43	COPPER ROAD	
44	COPPER DYKE	
45	COPPER PRODUCE	
46	GOODYEAR MILL SITE	3392B
47	CABINET SILVER	1293
48	SILVER BELT	697
49	ARIZONA	3392A
50	JIM CROW NO. 2	1956
51	OLIPHANT	1611
52	KINGSLEY	
53	LADY ALDE	
54	FRACTIONAL	
55	CLEVELAND	
56	JIM CROW	1265
57	COLUMBUS	1635
58	MC CABE	1158
59	MONOPOLIST	1242
60	SINK TO RISE	813
61	GLADSTONE	1159
62	EVA	2235
63	GLADSTONE WESTERLY EXTENSION	1160
64	LITTLE KICKER	1498
65	SUNOL	1500
66	PALO ALTO	2064
67	COLUMBIA	1878
68	INDEPENDENCE	7
69	BETTIE	3988
70	LITTLE JESSIE	1125
71	ELLA	1129
72	ARROYO	2624
73	NEW YEAR	1499
74	OPPORTUNITY	77
75	DIVIDEND	174
76	REPUBLIC NO. 1	1772
77	BIG BUG	81
78	GOPHER	69
79	SILVERTON	1459
80	YANKE GIRL	
81	INVINCIBLE	
82	AMERICAN FLAG	
83	TRINITY	
84	HENRIETTA MILL SITE	
85	PRINCES PLACER	1538
86	MONTEZUMA	3234
87	EAGLE FRACTION	
88	BRUSHY FLAT	
89	HURON NO. 2	
90	SWINDLER	
91	HURON NO. 1	
92	VICTOR	3454
93	HURON	1673
94	MONTEZUMA	
95	CORPORAL	1747
96	LONE PINE	
97	ADMIRAL	
98	LITTLE MAY	1701
99	AQUA FRIA MILL SITE	109
100	VICTORY NO. 2 MILL SITE	3022B
101	MOUNTAIN QUEEN	2398
102		

Mean Magnetic Declination, 14° 55' E. Scale, 40 Chains to an Inch. Area Surveyed 6894.56 Acres (new)

LINES DESIGNATED	BY WHOM SURVEYED	NO.	GROUP DATE	MILEAGE MLS.	GHS.	WHEN SURVEYED BEGUN	WHEN SURVEYED COMPLETED
Exterior	Benjamin J. Kinsley	136	Oct 28, 1925	19	2.50	Oct. 15, 1925	Dec. 1, 1925.
Subdivisional				59	53.06	Oct. 15, 1925	Nov. 1, 1925.
Meander							
Miscellaneous				9	7.46		

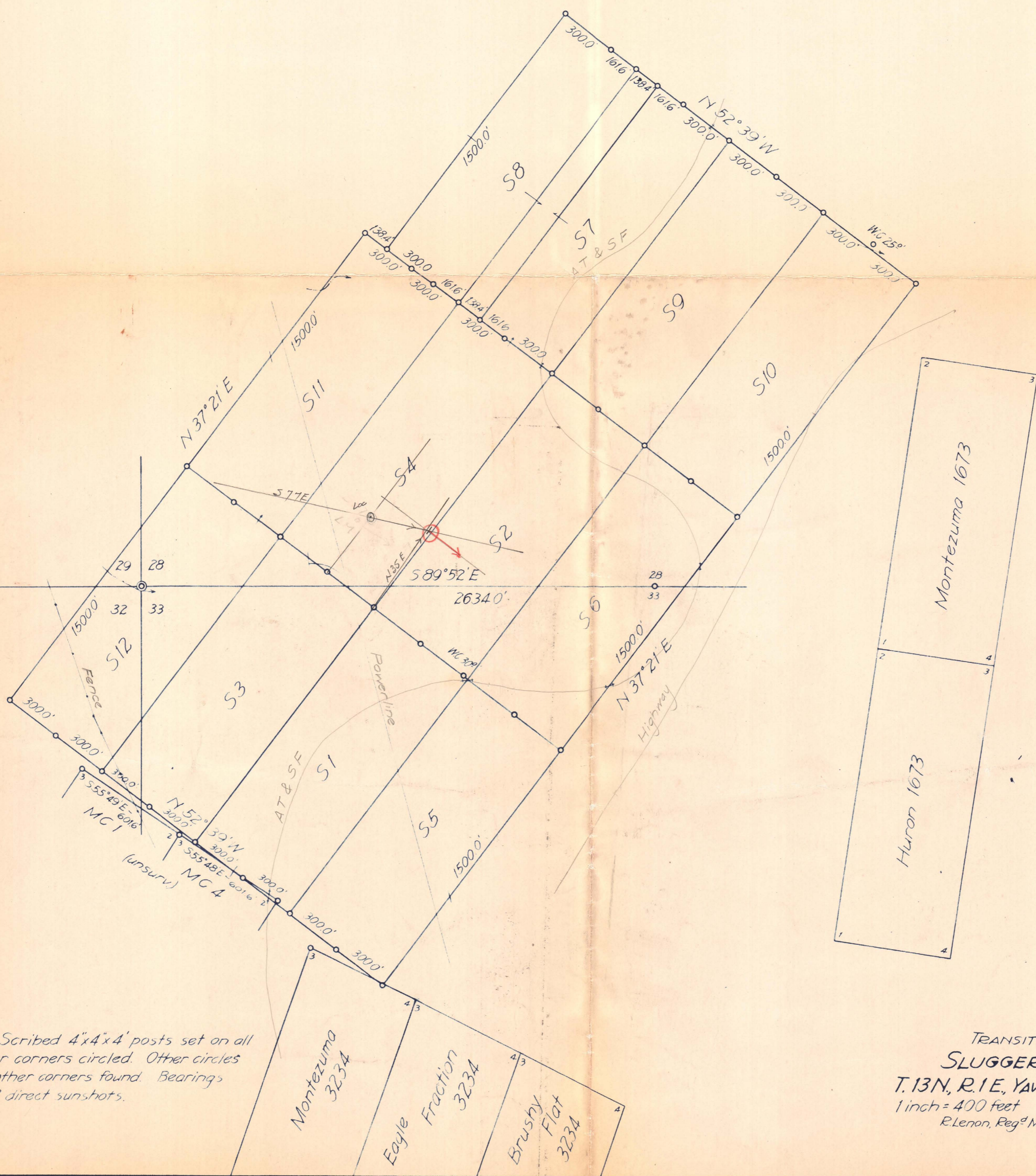
Office of U.S. Supervisor of Surveys
 Denver, Colorado, October 29, 1927
 The above plat of Township No. 13 North Range No. 1 East of the Gila and Salt River Meridian, Arizona, is strictly conformable to the field notes of the survey thereof which have been examined and approved.

Walter H. Johnson
 U.S. Supervisor of Surveys

DEPARTMENT OF THE INTERIOR
 GENERAL LAND OFFICE
 Washington, D.C., March 15, 1928
 The survey represented by this plat having been correctly executed in accordance with the requirements of law and the regulations of this office, is hereby accepted.

Thos. C. Howell
 Assistant Commissioner.

Handwritten initials

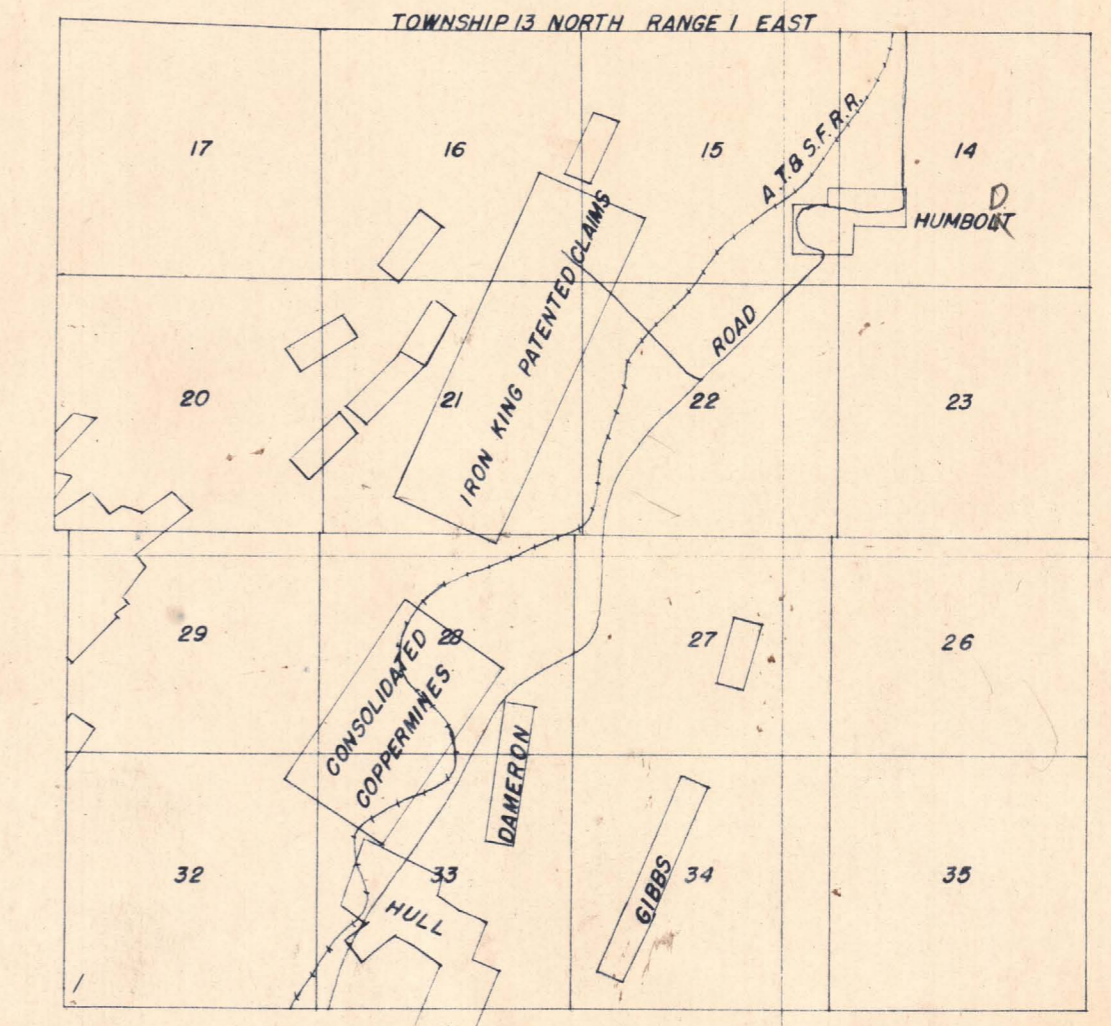
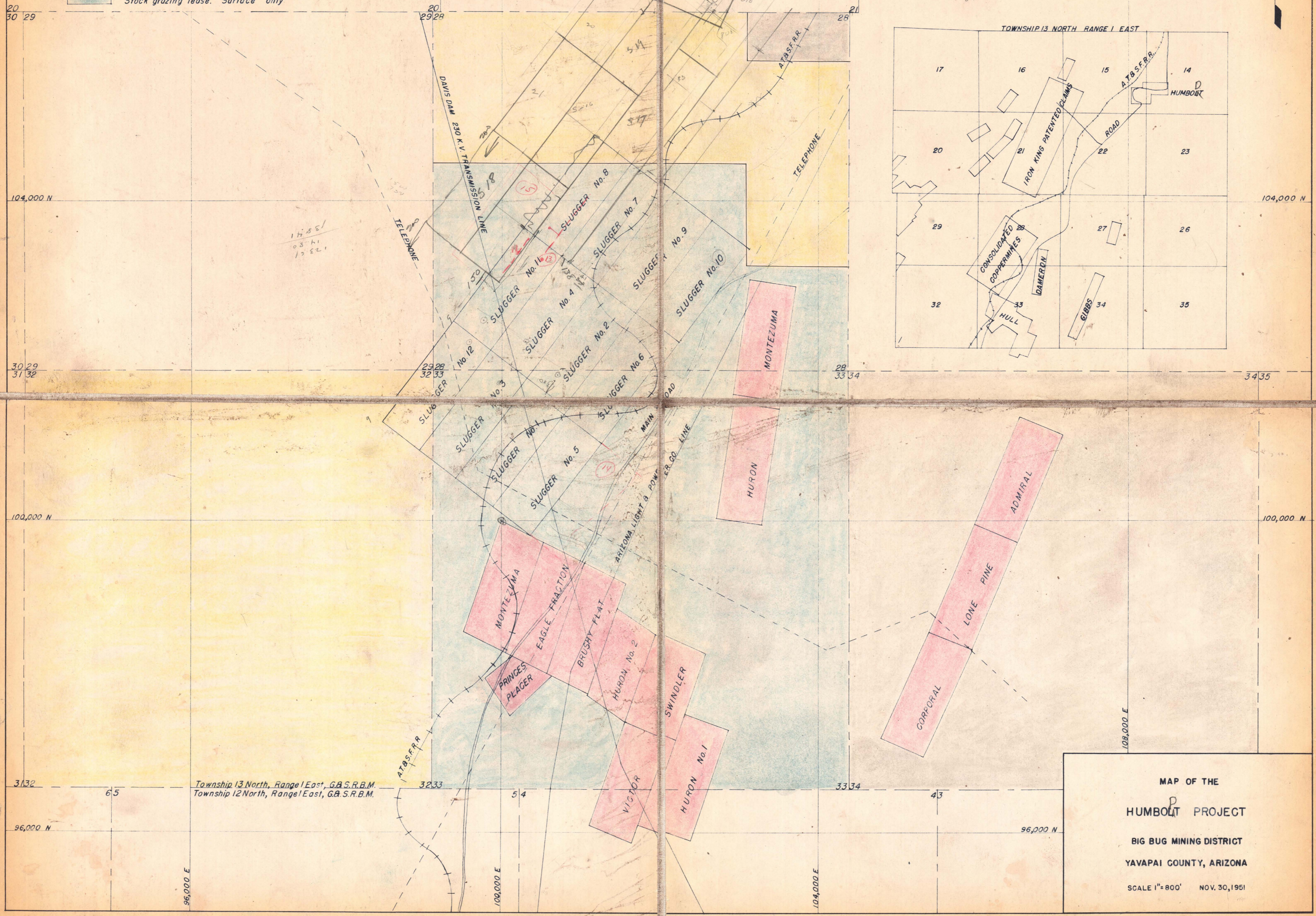


NOTE: Scribed 4"x4"x4' posts set on all
 Slugger corners circled. Other circles
 mark other corners found. Bearings
 from 8 direct sunshots.

TRANSIT-TAPE SURVEY
SLUGGER LODGE CLAIMS
 T. 13N., R. 1E., YAVAPAI COUNTY, ARIZONA
 1 inch = 400 feet Jan.-Feb., 1952
 R. Lenon, Reg^d Min. Eng^r, Patagonia, Ariz.

EXPLANATION

- Public Domain
- Patented claims
- Patented stock raising homestead. Surface only
- Stock grazing lease. Surface only

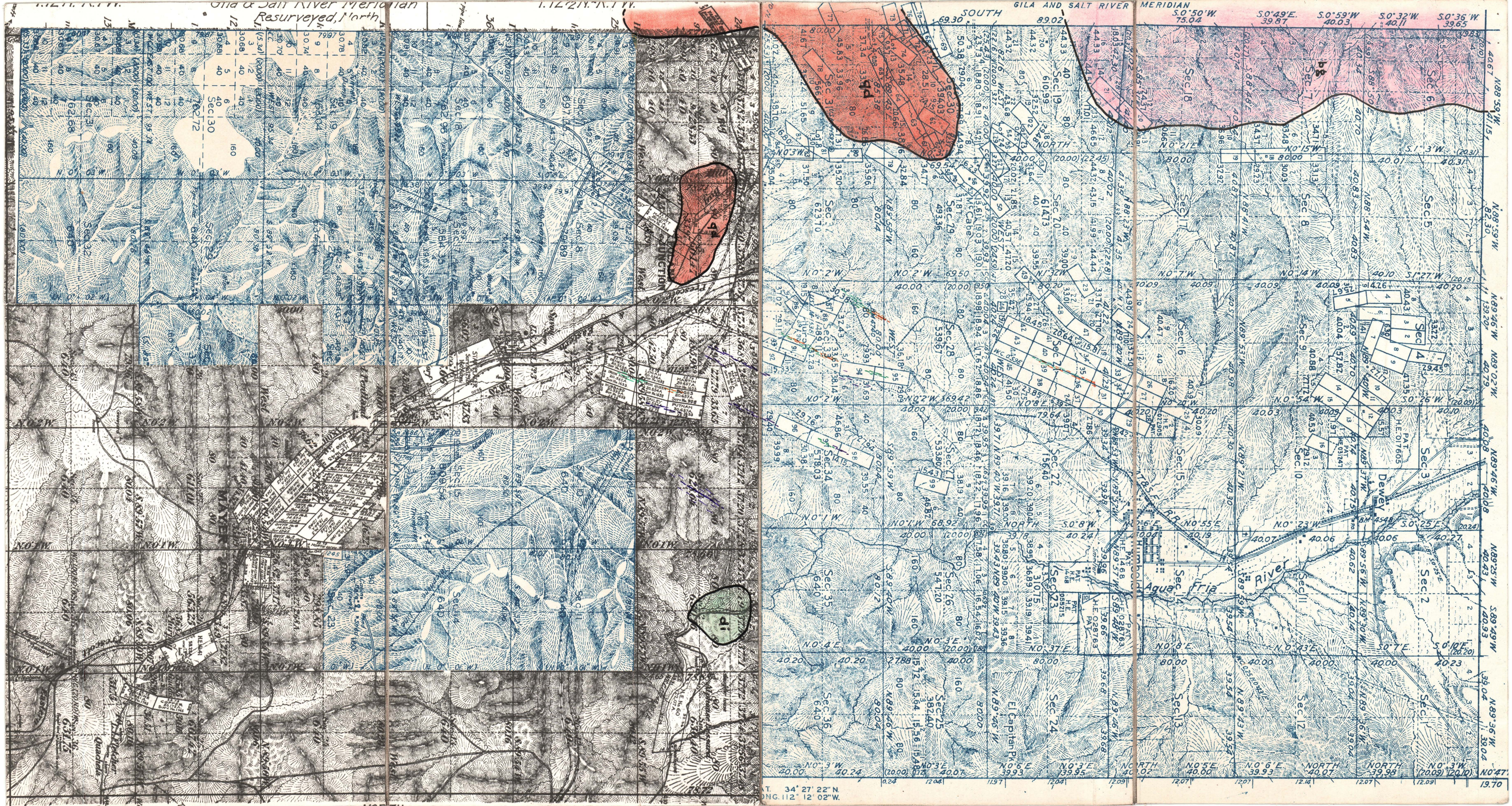


Handwritten calculations:

$\frac{21}{15} = 1.4$
 $\frac{11}{12} = 0.9167$
 $\frac{5240}{1960} = 2.6734$
 $\frac{64}{5} = 12.8$
 $\frac{484}{12} = 40.3333$
 $\frac{320}{1/3} = 960$
 $\frac{107}{320} = 0.334375$
 $\frac{427}{4} = 106.75$



MAP OF THE
HUMBOLT PROJECT
 BIG BUG MINING DISTRICT
 YAVAPAI COUNTY, ARIZONA
 SCALE 1" = 800' NOV. 30, 1951



Resurveyed, North

GILA AND SALT RIVER MERIDIAN

JUNCTION

Agua Fria River

Dewey River

El Capitan Pk.

T. 34° 27' 22" N
R. 112° 12' 02" W

LEGEND

ROCKS

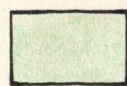
Granite



Quartz diorite



Diorite



MINERALIZATION

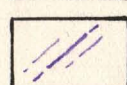
Metallized quartz veins



Pyritization, little or no quartz



Dark-purple quartz veins,
little or no metallization

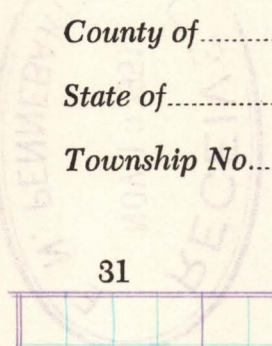


HUMBOLDT

Pine Grove also known as
 Turkey Creek and
 Peck Mining Districts

Township Plat

Property of..... Range No..... Office Work..... Remarks:.....
 at..... Meridian..... Meridian Line.....
 County of..... Sectional Lines..... Base Line.....
 State of..... Meander Lines..... Standard Line.....
 Township No..... Branch Lines, Re-Survey..... Township Lines.....



	31	32	33	34	35	36	31	32	33	34	35	36
	6	5	4	3	2	1	6	5	4	3	2	1
			✓	✓								
	7	8	9	10	11	12	7	8	9	10	11	12
		✓						✓				
T ₁₁ N, R ₁ W	18	17	16	15	14	13	18	17	16	15	14	13
							✓					
	19	20	21	22	23	24	19	20	21	22	23	24
						✓	✓	✓		✓	✓	✓
	30	29	28	27	26	25	30	29	28	27	26	25
				✓		✓			✓			
	31	32	33	34	35	36	31	32	33	34	35	36
	✓											
	6	5	4	3	2	1	6	5	4	3	2	1
	✓	✓	✓	✓	✓	✓	✓					✓
	7	8	9	10	11	12	7	8	9	10	11	12
				✓	✓	✓					✓	✓
	18	17	16	15	14	13	18	17	16	15	14	13
				✓	✓		✓					
T ₁₀ N, R ₁ W	19	20	21	22	23	24	19	20	21	22	23	24
				✓	✓	✓	✓					
	30	29	28	27	26	25	30	29	28	27	26	25
✓		✓	✓	✓	✓	✓	✓					
	31	32	33	34	35	36	31	32	33	34	35	36
✓		✓	✓	✓	✓							
	6	5	4	3	2	1	6	5	4	3	2	1