



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the
James Doyle Sell Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

SOUTHWESTERN ORE PURCHASING OFFICE
Tucson Arizona

February 25, 1966

W.E.S.

MAR 1 1966

MR. ~~WES~~ ~~JFK~~
READ AND RETURN _____
PREPARE ANSWERS _____ HANDLE _____
FILE INITIALS _____

FILE MEMORANDUM

QUINTANA MINERALS CORP.

Sec's 4-5-8-9
T185, R12E

Quintana Minerals is drilling the McGee-Anglin property north of Duval-Esperanza ground. Quintana has the Bear Creek drilling results and is committed to drilling at least 15 holes to 150 foot depth to determine the potential of these claims for possible copper leaching project. So far six holes have been completed and check Bear Creek drilling results.

In the San Manuel area Quintana continues drilling. While Mr. Thompson would like to discuss results obtained in that project, he advised he felt he should not disclose the engineering data just yet. It is known that the mineralization encountered is very deep.

ORIGINAL SIGNED BY
REED F. WELCH
REED F. WELCH

J. E. K.

cc: JHCourtright
TJWoodside

FEB 28 1966

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

December 1, 1959

C. P. Pollock, Exploration Manager
American Smelting and Refining Company
120 Broadway
New York 5, New York

Reports on:
PARSONS, ANGLIN, DAY,
GREASEWOOD, and MINA
DEL TIRO Prospects

Dear Sir:

Enclosed are reports by Mr. Blucher on the five subject prospects. These were examined by him during the past summer and fall months.

None of these prospects warrants further attention. For this reason I had specified that the work of drafting and compilation of these reports be set aside from time to time in favor of more urgent work. This accounts for the delay in getting this material in final form and transmitting it to you.

Following are summaries of these reports:

PARSONS PROSPECT, Carrizozo, New Mexico

Disseminated molybdenite in strongly altered zones localized by breccia pipes. Too low in grade and too small to be of interest.

ANGLIN CLAIMS, Twin Buttes District, Arizona

This property is on the north fringe of the mineralized zone which contains the Esperanza porphyry copper mine of the Duval Sulphur and Potash Company. No exploration possibilities.

DAY PROSPECT, Gila Mountains, Arizona

A porphyry copper prospect of small size exposed in a window in post-mineral volcanic cover rocks about 20 miles northwest of the Safford porphyry copper district. No worthwhile exploration possibilities.

GREASEWOOD PROSPECT, Pinaleno Mountains, Arizona

Some copper-staining in weakly altered volcanics; but no favorable mineralization. Reconnaissance for possible additional alteration zones

C. P. Pollock, 12-1-59
Reports on Parsons, Anglin, Day,
Greasewood, Mina Del Tiro Prospects

Page Two

on west side of Pinaleno Mountains, as suggested by Mr. Blucher, will be undertaken later.

MINA DEL TIRO PROSPECT, Cerrillos District, New Mexico

Zn-Pb-Cu-Ag vein; small ore shoot mined; of no interest. Porphyry copper-type alteration elsewhere in the district will be investigated at a later date.

A copy of this transmittal letter is attached to each report for your convenience in filing.

Yours very truly,

Original Signed By
K. Richard

KENYON RICHARD

Enclosures - 5 reports with maps
cc: ACBlucher

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

August 18, 1959

J. H. C.

DEC 4 1959

MEMORANDUM FOR K. E. RICHARD

ANGLIN CLAIMS
North of Duval's Esperanza Mine
Twin Buttes District
Pima County, Arizona

This property consists of twenty unpatented claims held jointly by Clint Anglin of Oracle, Arizona, and Bud McGee of McGee Ranch, Arizona. They are located about one mile north of Duval's Esperanza Mine and four miles west of Twin Buttes, Arizona. They were offered to the Company through the Byrd Brothers of Tucson.

Duval Sulphur and Potash at one time had an option on the Anglin Claims, and at present they hold adjoining ground on the east, south, and west.

On July 20th I accompanied Mr. Anglin to the property for a brief reconnaissance, and during the following week I sampled some of the workings and prepared a map showing the extent and degree of alteration and mineralization.

Outcrops are ideally exposed. Except for the sandy creek bed in the southern part of the area, outcrops are so closely spaced as to be almost continuous. Oxidation is everywhere quite shallow, and in many places sulphides can be found at the surface.

With the exception of one small andesite dike all of the outcrops on these claims are of a granitic intrusive of varying texture and composition. At the Esperanza Mine, one mile to the south, this rock has been classified as quartz monzonite. Most of this intrusive shows weak or occasionally moderate alteration, and on the southwest this alteration is continuous with the Esperanza altered zone.

Mineralization consists of disseminated chalcopyrite, pyrite, and molybdenite in a ratio of about 30 to 15 to 1, respectively. Quartz veinlets are common in part of the better mineralized zone but are themselves relatively barren. The best copper mineralization appears to be finely disseminated in a medium grained facies of the intrusive rather than in the more abundant coarsely granitic rock.

Except along occasional veinlike shear zones mineralization is remarkably homogeneous over wide areas. At almost any point within these claims some evidence can be found of disseminated sulphides.

Only one zone of markedly better mineralization was outlined by this mapping. This zone trends E-W along the south slope of the main creek in the southern part of the area and is about 1500 feet long by 500 feet wide. It is penetrated by one 300 foot crosscutting adit, one shallow shaft, and one diamond drill hole drilled by Duval in 1957.

The adit was driven many years ago and efflorescent copper sulphate has salted the walls over much of its length. A chip sample from about ten feet of recent work at the face showed approximately the same degree of mineralization as the older part of the tunnel and should be fairly representative.

In addition samples were taken from three holes dug in the dump of this tunnel. All the material was taken from each hole and every hole reached the bottom of the dump.

The shaft is inaccessible, but the dump material is undisturbed and only slightly affected by oxidation. A 50-lb. sample was taken from this dump.

The assay results of the Duval drill hole were furnished by Mr. Anglin and are shown below and on the attached section.

<u>Location</u>	<u>Total Cu</u>	<u>Non-Sulf Cu</u>	<u>MoS2</u>	<u>Au</u>	<u>Ag</u>
Chip from tunnel	0.38 %	Nil	0.024	Tr	0.2 oz
Tunnel dump No. 1	0.41	0.24	0.046		
Tunnel dump No. 2	0.38	0.25	0.062		
Tunnel dump No. 3	0.38	0.21	0.044		
Shaft dump	0.24	0.03	0.042		
Duval Core ave.	0.38				

In the northern part of the Anglin Claims is a second adit which penetrated copper and molybdenum mineralization. It is caved and inaccessible, but material on the dump shows small amounts of coarsely disseminated chalcopyrite and veinlets of molybdenite. The capping above this tunnel shows occasional large quartz veinlets but very little evidence of disseminated sulphides. To the north of this adit mineralization diminishes to narrow zones along northeast trending faults. On the Almo McGee claims about 1/2 mile northeast of the adit a churn drill hole on one of these zones encountered pyrite and weak chalcopyrite.

The assay results of sampling in this part of the area are as follows:

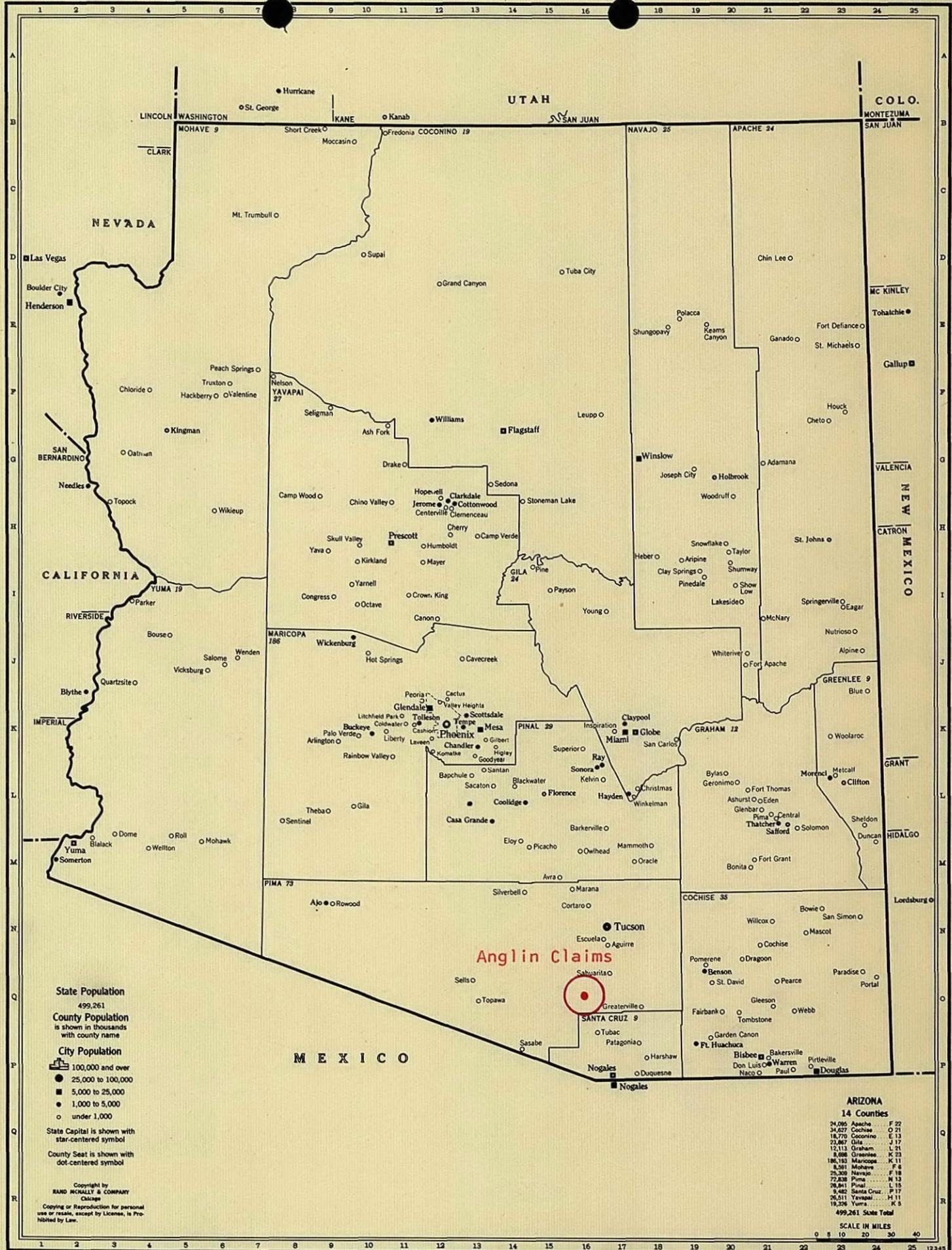
<u>Location</u>	<u>Total Cu</u>	<u>Non-Sulf Cu</u>	<u>MoS2</u>	<u>Au</u>	<u>Ag</u>
Dump Sample from N. Adit	0.25%	0.09%	0.12%		
Sludge " from 250' CDH	0.08%		0.004	Tr	0.1 oz

To the west beyond the limits of the claims disseminated sulphide mineralization continues for nearly one mile. Two samples from this area assayed about 0.20% Cu and 0.01% MoS2. Only a brief reconnaissance was made of this area, and the limit of alteration shown on the attached sketch is approximate. More work will be done in this area as a part of the Sierrita mapping project.

Although the copper and molybdenite mineralization of the Anglin property is widespread and consistent, it is uniformly sub-economic in tenor. There are excellent exposures, and there are no covered fringes. I see no possibilities of exploration for better grade material and can recommend no further Company interest.

A. G. BLUCHER

Attachment
AGB/ds



State Population
499,261

County Population
is shown in thousands
with county name

City Population

- 100,000 and over
- 25,000 to 100,000
- 5,000 to 25,000
- 1,000 to 5,000
- under 1,000

State Capital is shown with
star-centered symbol

County Seat is shown with
dot-centered symbol

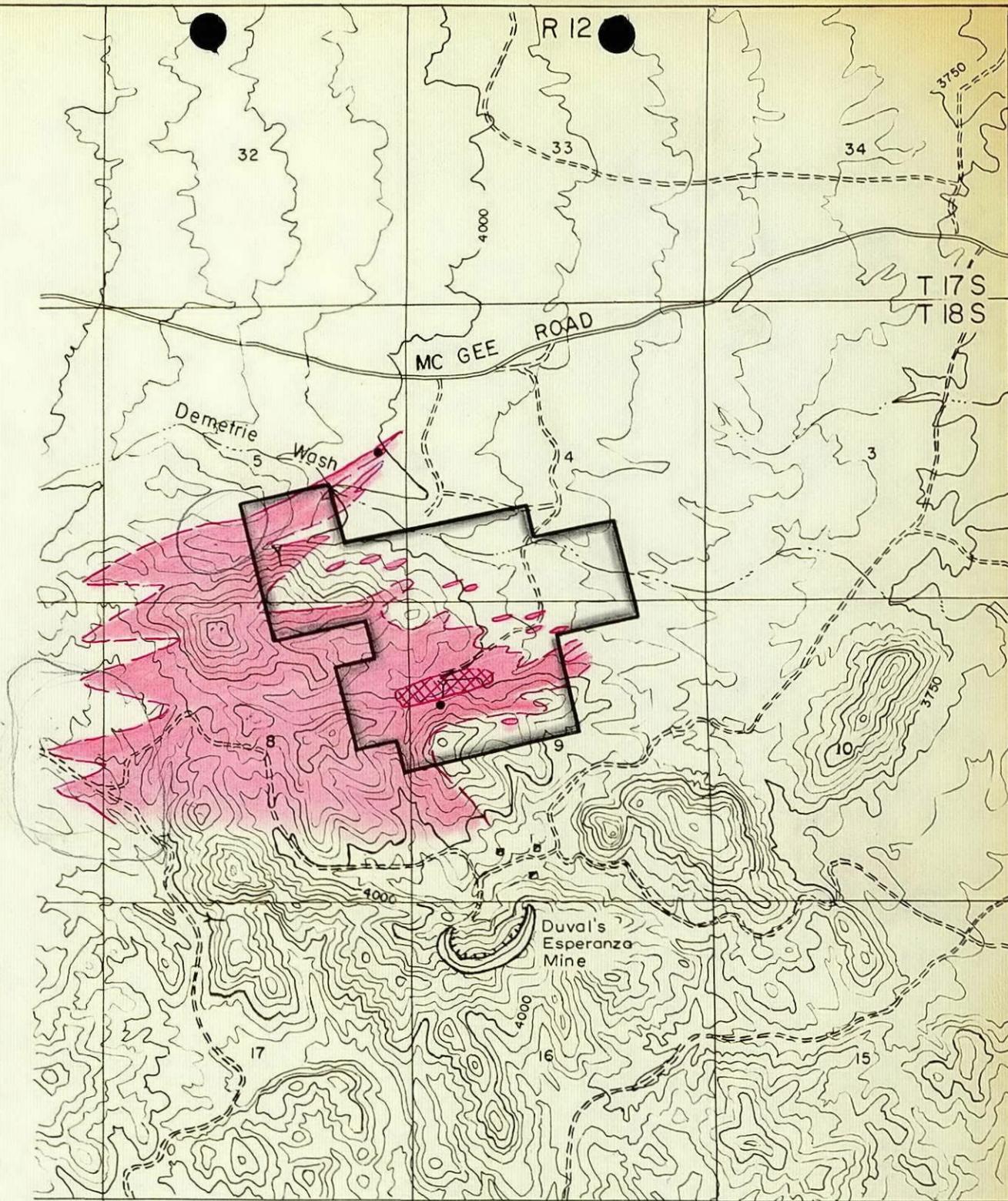
Copyright by
RAND McNALLY & COMPANY
Chicago

Copying or Reproduction for personal
use or resale, except by License, is Pro-
hibited by Law.

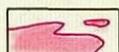
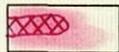
ARIZONA
14 Counties

24,095	Apache	F 22
34,827	Cochise	O 21
18,770	Cocino	E 13
22,867	Gila	E 17
12,113	Graham	L 21
8,088	Greenlee	K 23
188,183	Maricopa	K 11
8,581	Mohave	F 8
25,309	Navajo	F 18
72,838	Pima	N 13
28,841	Pinal	L 15
9,482	Santa Cruz	P 17
26,511	Yavapai	H 11
19,326	Yuma	K 5
499,261 State Total		

SCALE IN MILES
0 5 10 20 30 40



TO ACCOMPANY Memo
 DATED August 18, 1959
 BY A. G. Blucher

-  Disseminated Sulphides
-  Plus 1% Total Sulphides
-  Drill Holes
-  Boundary of Anglin Claims

ANGLIN CLAIMS

NORTH OF

DUVALS ESPERANZA MINE

Twin Buttes District, Pima County, Arizona

SCALE 1 Inch = 1/2 Mile

August 18, 1959

Duval Diamond Drill Hole

CORE	SLUDGE	% Cu
.86	0.51	
1.56	1.66	
0.14	0.32	
0.18	0.36	
0.27	0.29	
0.63	0.58	
0.51	0.60	
0.35	0.51	
0.24	0.90	
0.22	0.89	
0.33	0.37	
0.40	0.31	
0.12	0.17	
0.18	0.16	
0.21	0.23	
0.40	0.44	
0.31	0.30	
0.23	0.25	
	0.40	
	0.31	
	0.25	
	0.27	
	0.35	

TO ACCOMPANY Memo...
 DATED August 18, 1959
 BY A. G. Blucher

3 Dump Samples

Average Assays:
 Total Cu = 0.39 %
 Non-Sulf. = 0.23 %
 MoS₂ = 0.05 %

10 ft. Chip Sample
 Total Cu = 0.38 %
 Non-Sulf = Nil
 MoS₂ = 0.024 %
 Au = Tr
 Ag = 0.2 oz

Sketch Section
 Showing Southern Adit &
 Duval's Drill Hole

ANGLIN CLAIMS
 Twin Buttes District, Pima County, Arizona
 LOOKING WEST

SCALE 1" = 50' Approx.

A. G. B.

Aug. 18, 1959