



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the John E. Kinnison 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.

RECEIPTDate August 25 1973

0202

Received From John E. Kinnison

Address _____

Seven and 00/100Dollars \$ 7⁰⁰For 1 1/2 hrs. storage @ \$6⁰⁰/hr.

ACCOUNT		HOW PAID	
AMT. OF ACCOUNT		CASH	
AMT. PAID		CHECK	
BALANCE DUE		MONEY ORDER	

Palant Prospect

By James K. Wilson

RECEIPTDate August 25 1973

0202

Received From

John E. Harrison

Address

Seven and 100 Dollars \$ 7⁰⁰For 1 1/2 hrs. storage @ \$6⁰⁰/hr.

ACCOUNT			HOW PAID		
AMT. OF ACCOUNT			CASH		
AMT. PAID			CHECK		
BALANCE DUE			MONEY ORDER		

Palant ProspectBy Francis T. Wilson

JEK
Mining Geologist
Registered: Arizona
California

JOHN E. KINNISON
Rt. 1, Box 621-B
Tucson Arizona
85704

Home
(602) 297-1952
Office
(602) 327-1888
2506 N. Alvernon
Tucson, Arizona 85712

August 27, 1973

Mr. R. W. Ludden
Chief Geologist
Western Exploration Office
Phelps Dodge Corporation
Drawer 1217
Douglas, Arizona 85607

Subject: Palant Copper Property,
Tucson Mountains,
Pima County, Arizona

Dear Sir:

The following is a summary of my investigation of certain aspects of the subject property and adjacent area. You have already received a full report by telephone on Saturday, Aug. 4, at which time you advised me that Palant had been informed that P.D. would withdraw interest in his property, and I was asked to discontinue work.

I believe a brief report is what you intended; should you wish for more specific geological interpretation, an overall appraisal of the district, for example can be prepared on request.

During my meeting with Ron LaPoint in Douglas, you were furnished with xerox copies of certain private maps dating from 1960, and these are not here reproduced. During the following field day with Mr. LaPoint, he asked for colored copies of the Thesis maps, one set of which I am sending under separate cover (rolled), together with some extra copies made in anticipation of further work.

Enclosed with this letter is a map showing water well data. You will note that this is a preliminary or work map, which I use to avoid additional drafting cost to you, since the project has been terminated. Samples of well cuttings will be sent separately.

WATER WELL FIELD SURVEY

General:

The field check for wells was interrupted by vehicle breakdown, and was incomplete by Saturday morning when work was suspended. There may, therefore, be wells which are not located; and some which were located were not examined.

The above notwithstanding, there now exists a general picture of the pediment area south of the Sedimentary Hills, even though perhaps incomplete in regard to available information. As I stated on the telephone, further work is unlikely to change the evident geologic subsurface interpretation. Well summaries are shown on the attached map; those which were field checked are colored blue. Drillers logs, collected by Palant from the U.A. Agricultural Engineering Department, are enclosed for record.

No drill holes other than those of Kern County Land are likely to exist on sec. 32, and there is no habitation or grazing to suggest further field checks. Section 29 is uninhabited, and roads which could lead to well sites were checked, but none found except for a Conoco drill site. No field work further west was done except for a brief trip on the north and south lines of sec. 31, with negative results.

Interpretation:

The few wells of which I found sludge (cuttings) from bedrock permit interpretation of the drillers' logs with reasonable confidence. A Key well in this respect, since most of the sludge remains, is along the W. line of sec. 36, just north of the Ajo Road. (Mr. LaPoint visited this site with me in the field.)

This well has penetrated the black, partly calcareous siltstone and shale of the Mousehouse formation (Kinnison thesis) in the upper section of Cretaceous strata. There is usually a small amount of syngenetic pyrite (or marcasite) in this formation--and also in the very similar overlying Echo Valley formation. For practical purposes (as I have discussed with Mr. LaPoint) the two formations are probably not divisible. Both units are black when unweathered, and are brownish at the surface--probably due to attenuated oxidation induced by minor pyrite. The driller's log in sec. 36 recognizes the brownish oxidized zone ("Volcanic ash--yellow, green, and gray") and the black siltstone and shale ("Blue schist, blue shale, blue limestone").

The Key words, repeated by other drillers at different sites are "blue" or "black" coupled with "limestone" or "shale." The drillers' logs, together with a few wells where I have found corroboratory bedrock cuttings, suggest a shallow-covered pediment carved on unmineralized Mousehouse/Echo Valley, between Snyder Hill on the west and Kinney Road on the east, which extends north from the Ajo Road to the Sedimentary Hills. The hardened ("baked") thermally metamorphosed strata, which constitute the west part of the Sedimentary Hills and are described by Bennett as his "limy unit", are probably equivalent to my Mousehouse/Echo Valley. The metamorphism apparently does not extend south beneath alluvium in sec. 28, although it might extend southeast, where no well data are available.

Thus, the area to the east of Palant's ground is underlain by a bedrock subsurface of Mousehouse/Echo Valley formation as a broad pediment, and is unmineralized. This condition probably exists to some extent westerly into Palant's ground.

The pediment extends west through sec. 32, as shown by the old Kern County drill holes, which penetrated monzonite porphyry with very minor grains and thin seams of chalcopyrite. However, as interpreted by some 1960 geophysical work (gravity and resistivity), a major range-front fault strikes northwest across the SW tip of sec. 32. Thus, the area of shallow pediment which is potentially mineral bearing, and which could be cheaply prospected, within the limits of Palant's ground, is limited. Water wells to the west also indicate that the pediment is terminated in that direction not far from sec. 32.

The northern part of sec. 32 and the south part of sec. 29 may certainly be considered as potential prospecting areas, but this is only one square mile. Pervasive alteration/mineralization associated with a really major deposit could hardly be confined within that small an area. Possible extension of the porphyry to the south or southeast of sec. 32, beyond Palant's ground is unknown.

MISCELLANEOUS ITEMS

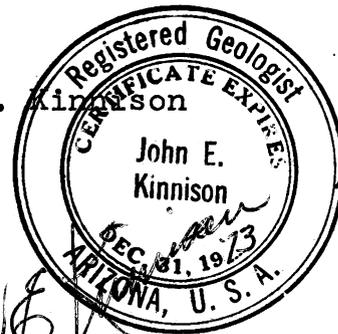
At your request, I obtained the following data.

1. Re: section 32, Conoco's application for a state prospecting permit was denied (6/5/73), and an appeal filed 6/25/73. This appeal was under review as of 8/2/73. Reason stated for denial was to the effect that the best interests of the public would not be served by granting a prospecting permit.
2. Wayne Wallace is agreeable to an exchange of data on section 32 for data on some other area in which Tenneco is currently interested. He also stated that a joint venture might be considered, but I believe he is lukewarm to such a proposal, and his offer to consider this is out of courtesy (telephone call 8/3/73). I have just heard indirectly that the Tenneco Tucson Office is closing, but have not checked this out.
3. Conoco has a drill rig on the south slope of the Sedimentary Hills, but no activity on the flats was evident during my field visit.
4. I.P. lines cannot be run into the developed area east of Palant's ground without crossing fenced property. Bopp Road, the main east-west public access, is lined with grounded fences. However, by running lines northerly, no problem should be found in sec. 32 or areas to the west.

5. Palant's placer claim posts are physically on the ground, and overlap Conoco federal claims. His location posts for type B state claims are present in section 32.

Yours very truly,

✓ John E. Kinnison



cc: W. J. Walker, w/o att.

COPY

Mining Geologist
Registered: Arizona
California

JOHN E. KINNISON
Rt. 1, Box 621-B
Tucson Arizona
85704

Home
(602)297-1952

Memo To R.W. Ludden
Phelps Dodge Corp, Douglas

Job No 0102

Herewith is my bill re: Palmit Copper property,
Tucson Mountains, Ariz

Professional Fees

Conference and field trip with Ron LaPoint			
7/26, 27/1973	2 days	\$ 350	
Field work 8/1, 2 ³ /73	2 1/2 days	442	
Report	1 day	<u>175</u>	
		\$ 967	\$ 967

Chargeable Expenses

7/26/73	To Douglas (LaPoint)		
	Milage @ 10¢	\$ 31	
	Meals	<u>8</u>	
		\$ 39	39

7/27 Fill up LaPoint No Chg

8/1, 2, 3	Tucson Mts field Recon.		
	Milage @ 10¢	\$ 11	
	(Jeep) Milage @ 15¢	12	
	Groceries	<u>5</u>	
		\$ 28	28

Reproduction	\$ 10	
Coloring Maps	26	No
Typing	<u>7</u>	
	\$ 43	43

Thank you

John E. Kinnison

Total \$ 1079

Long Distance Telephone to be billed later

~~Aug 1~~

Aug 1

Tue Mt.

1 day charge
\$175

7764

7692

52

+ 10

62 M. b. x 10[¢] = 6²⁰

Ruby's
Comet

Groceries and fee 2⁰⁰

Aug 2

Misc - Errands 7812
for PD

7764

Comet - 48 x 10 = 4⁸⁰

4 hrs

(Patent -

logs) 23

4

~~gas and fee 2⁰⁰~~

\$92

Aug 3

Field Tue Wtn

1 day chg.

Leap

84814

84732

82 x 15[¢] = 12.30

\$175

groc and fee 2⁵⁰

350
92

442

Total Miles

62

48

110 @ 10[¢] = 11-

82 @ 15[¢] = 12-

23

Memo to: R.W. Ludden

Herewith is my bill re: Palant Copper Prospect,
Tucson Mountains, Arizona

Professional fees

Conference and field trip with

Ron LaPoint 2 days \$ 350
July Aug 26 & 27 1973

field work 8/1, 2, and 3/73

2 1/2 days \$ 442

$$\begin{array}{r} 442 \\ 2792 \\ 175 \\ \hline 1967 \end{array}$$

Chargeable Expenses

7/26/73 To Douglas

Milage @ 10¢ \$ 31

Meals 8

7/27 Home to Henderson

39

7/27 To Howard Johnson Motel
Tuc Milage @ 10¢ 5

8/1, 2, 3

Milage @ 10¢ 11-

(Jeep) Milage @ 15¢ 12-

Groceries 5-

28

Reproduction

Coloring maps

Typing

	\$ 31		
	8		
	39		39
	5		5
			13
			967
			39
			28
			10
			26
			7
			<u>1076</u>
		28	
		10	
		26	
		7	
		<u>906</u>	
		1076	

Palant Copper
P.D.

Expenses

To Bisbee/Douglas Auto Milage 7060 Begin
 7/26/73 Raby's Comet 7368 Return
 308 x 10¢ \$30.80

1 day Fee \$175

Chg for food \$7.50
 (No chg for Motel etc w/ family.)

RT House to Harvard Johnson Motel 7368
 Auto Milage. to 7421
 7/27/73 Comet 53 x 10¢ \$5.30

1 day Fee \$175
350

Map coloring (1/2)

13 hr x 2.00

\$ 26.00

True Blue 2.75

6.01

1.58

10.40

Typing

7

CONOCO CLAIMS- Use 3/4" plastic Reels for corners and discov. posts. Have plastic cap (inside fit) and put ident. paper inside. Drill holes for disc use 4" pipe with plastic 10" pipe and plastic plug, with legal notice inside, wired to 4" pipe. Pits are filled in and is very neat job with minimal damage to desert area. Very small site.

Placer Claims by Polant are Signo Unices group. did not see notices.

Type B claims same 9 on Sec 32 - saw one post (~~cor~~) ^{Disc and Cor.} (End Chr.)

Note - Check low mound or well on South line Sec ~~32~~³¹ (or As w. prop.) just east of Sewage Disposal

Large water tower and pumps at Boff and Polant Dr. Check for Ed Water Survey Log. ^{No pump - Rather, no well pump. Just lifting pump to tank.}

- Saw one Signo Unices Cor Post with 2 Notices.

~~2~~ One extra had 8 separate names, but individual names not signed. Corp names signed by represent.

Teton Expl ~~Co~~
former Duval JV Venture

Daves & Moore -
L.A.

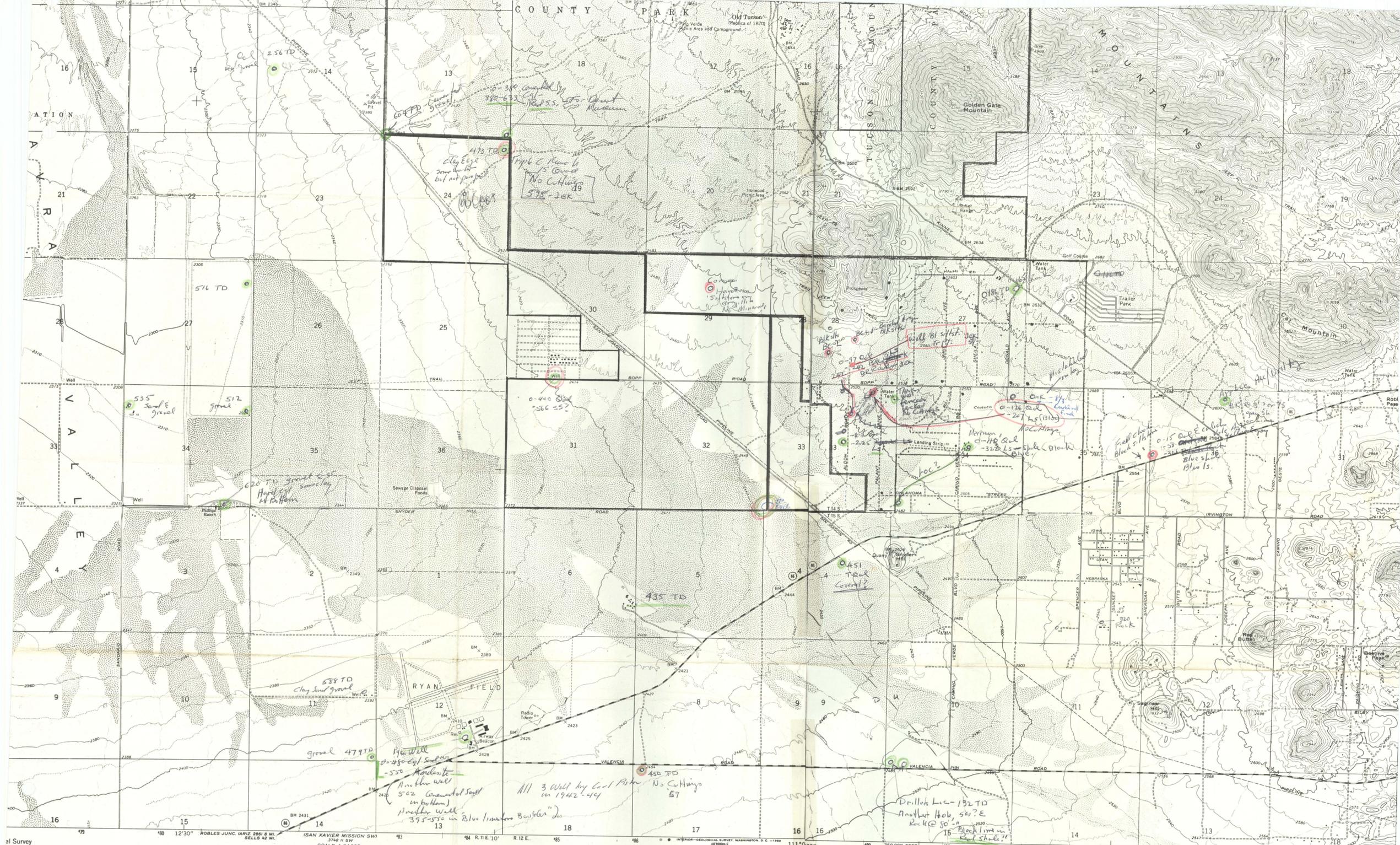
Dr. Phillip Shockey Chief Geologist.
Casper

Dick Brittain Denver
(303) 232-6262

Arizona New Mexico Nevada PHX

close friend Dale Brittain
close friend Tiger Splane John
John Jett good contact

Lyle Pollant 622-8803



This map complies with National Map Accuracy Standards
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

This map complies with National Map Accuracy Standards
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
 Light duty
 Medium-duty
 Unimproved dirt
 State Route

apped, edited, and published by the Geological Survey
 on behalf of the U.S. Geological Survey
 Topography by photogrammetric methods from aerial
 photographs taken 1966. Field checked 1968
 Spheroidal projection. 1927 North American datum
 0.000-foot grid based on Arizona coordinate system, central zone
 0.000-meter Universal Transverse Mercator grid ticks,
 zone 12, shown in blue
 Red tint indicates areas in which only landmark buildings are shown
 Red dashed lines indicate selected fence lines

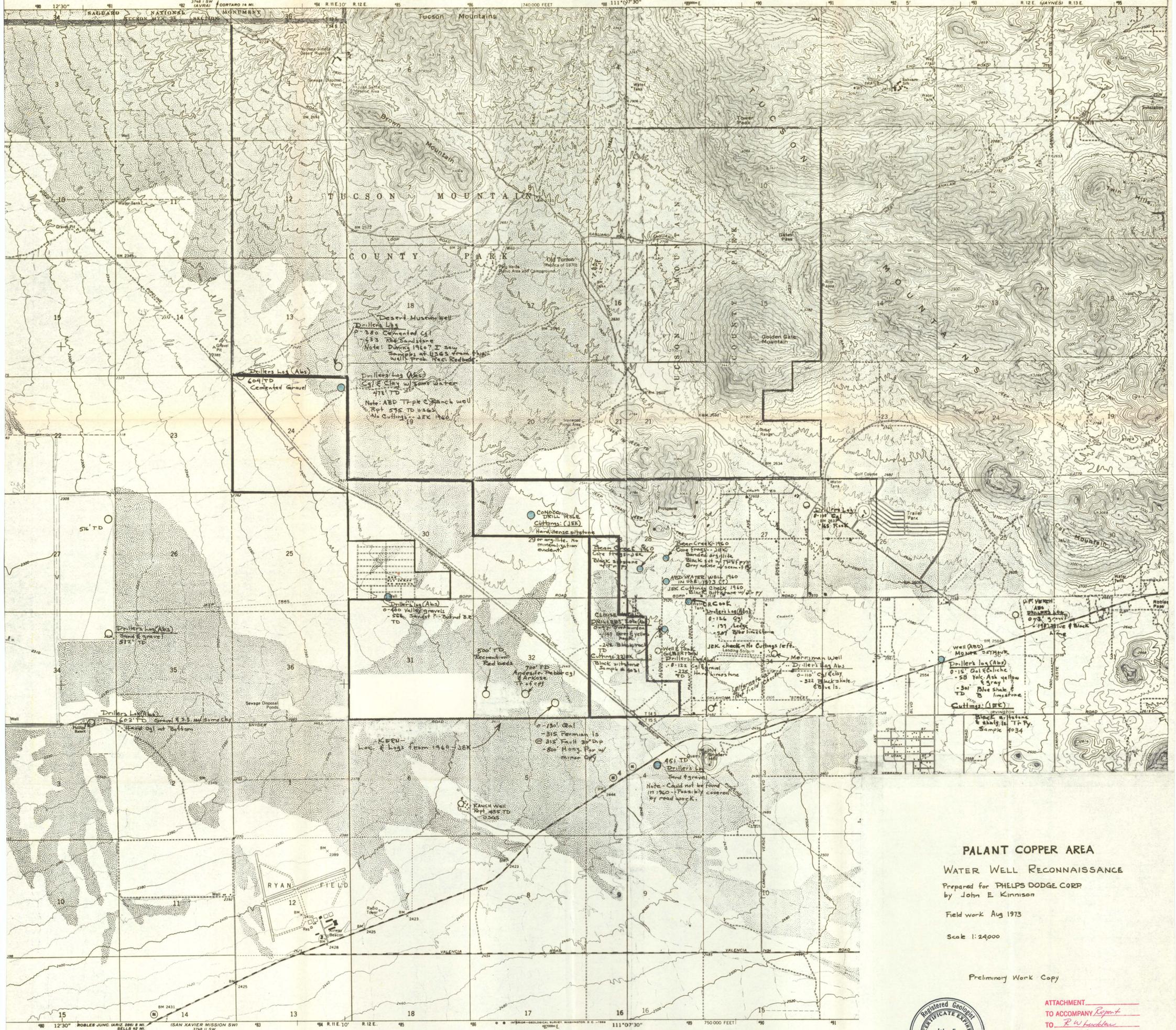
BROWN MOUNTAIN, ARIZONA
 NW 1/4 SAN XAVIER MISSION 15' QUADRANGLE
 N3207.5-W11107.5/7.5
 1968
 AMS 3748 II NW-SERIES 5888

UTM GRID AND 1968 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET
 0°06' 23" N
 131° 23' 13" W
 231 MILES

UTM GRID AND 1968 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET
 0°06' 23" N
 131° 23' 13" W
 231 MILES

SCALE 1:24,000
 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
 1 KILOMETER
 CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT 10-FOOT CONTOURS
 DATUM IS MEAN SEA LEVEL

SCALE 1:24,000
 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
 1 KILOMETER
 CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT 10-FOOT CONTOURS
 DATUM IS MEAN SEA LEVEL

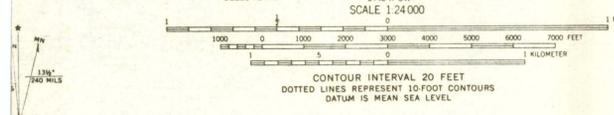


PALANT COPPER AREA
WATER WELL RECONNAISSANCE
 Prepared for PHELPS DODGE CORP
 by John E. Kinnison
 Field work Aug 1973
 Scale 1:24000

Preliminary Work Copy



ATTACHMENT
 TO ACCOMPANY Report
 TO R.W. Ludlow
 BY J.E. Kinnison
 DATE 8/2/73



ROAD CLASSIFICATION
 Medium-duty Light-duty
 Unimproved dirt
 State Route
 Mapped, edited, and published by the Geological Survey
 Control by USGS and USCGS
 Topography by photogrammetric methods from aerial
 photographs taken 1966. Field checked 1968
 Polyconic projection, 1927 North American datum
 10,000-foot grid based on Arizona coordinate system, central zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 12, shown in blue
 Red tint indicates areas in which only landmark buildings are shown
 Red dashed lines indicate selected fence lines

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

BROWN MOUNTAIN, ARIZ.
 NW 1/4 SAN XAVIER MISSION 15' QUADRANGLE
 N3207.5-W1107.5/7.5
 1968
 AMS 3748 II NW-SERIES V898

CC JEK

Mining Geologist
Registered: Arizona
California

JOHN E. KINNISON
Rt. 1, Box 621-B
Tucson Arizona
85704

Home
(602)297-1952

August 27, 1973

Mr. R. W. Ludden
Chief Geologist
Western Exploration Office
Phelps Dodge Corporation
Drawer 1217
Douglas, Arizona 85607

Subject: Palant Copper Property,
Pima County, Arizona

Dear Ray:

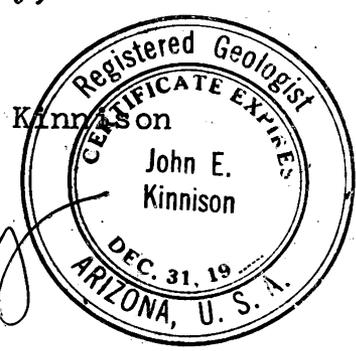
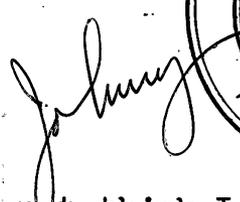
Enclosed you will find a brief report on my work concerning the subject property. Since you terminated further interest in the area for the time being, I withheld finishing the written report until convenient for me.

My bill is attached, and I hope this can be processed at an early date, as my cash situation is not too good at this time.

I have elected to continue (or attempt to continue) as a consultant, as there simply are no openings with the major companies at this time. I will be most pleased to do additional work for you, as the need may arise. Although I understand that Joe Janco consults for you in the area of drilling engineering, I would like to remind you that this is also one of my fields of competence, particularly rotary work and trouble shooting.

Yours very truly,

John E. Kinnison



JEK:fw

P.S. I trust that Herb Jacobson did not think I was reluctant to discuss the Copeland property--there just isn't too much to say without a conference involving maps as a reference, and better knowledge of your interests in the property. In the event that Copeland cannot find his copy of the Kaiser drill hole log (which he was furnished), I am sending one along.

J.E.K.

Mining Geologist
Registered: Arizona
California

JOHN E. KINNISON
Rt. 1, Box 621-B
Tucson Arizona
85704

efva
Home
(602)297-1952

August 27, 1973

Mr. R. W. Ludden
Chief Geologist
Western Exploration Office
Phelps Dodge Corporation
Drawer 1217
Douglas, Arizona 85607

Subject: Palant Copper Property,
Pima County, Arizona

Dear Ray:

Enclosed you will find a brief report on my work concerning the subject property. Since you terminated further interest in the area for the time being, I withheld finishing the written report until convenient for me.

My bill is attached, and I hope this can be processed at an early date, as my cash situation is not too good at this time.

I have elected to continue (or attempt to continue) as a consultant, as there simply are no openings with the major companies at this time. I will be most pleased to do additional work for you, as the need may arise. Although I understand that Joe Janco consults for you in the area of drilling engineering, I would like to remind you that this is also one of my fields of competence, particularly rotary work and trouble shooting.

Yours very truly,

John E. Kinnison

JEK:fw

P.S. I trust that Herb Jacobson did not think I was reluctant to discuss the Copeland property--there just isn't too much to say without a conference involving maps as a reference, and better knowledge of your interests in the property. In the event that Copeland cannot find his copy of the Kaiser drill hole log (which he was furnished), I am sending one along.

J.E.K.

Mining Geologist
Registered: Arizona
California

JOHN E. KINNISON
Rt. 1, Box 621-B
Tucson Arizona
85704

Home
(602) 297-1952
Office
(602) 327-1888
2506 N. Alvernon
Tucson, Arizona 85712

August 27, 1973

Mr. R. W. Ludden
Chief Geologist
Western Exploration Office
Phelps Dodge Corporation
Drawer 1217
Douglas, Arizona 85607

Subject: Palant Copper Property,
Tucson Mountains,
Pima County, Arizona

Dear Sir:

The following is a summary of my investigation of certain aspects of the subject property and adjacent area. You have already received a full report by telephone on Saturday, Aug. 4, at which time you advised me that Palant had been informed that P.D. would withdraw interest in his property, and I was asked to discontinue work.

I believe a brief report is what you intended; should you wish for more specific geological interpretation, an overall appraisal of the district, for example can be prepared on request.

During my meeting with Ron LaPoint in Douglas, you were furnished with xerox copies of certain private maps dating from 1960, and these are not here reproduced. During the following field day with Mr. LaPoint, he asked for colored copies of the Thesis maps, one set of which I am sending under separate cover (rolled), together with some extra copies made in anticipation of further work.

Enclosed with this letter is a map showing water well data. You will note that this is a preliminary or work map, which I use to avoid additional drafting cost to you, since the project has been terminated. Samples of well cuttings will be sent separately.

WATER WELL FIELD SURVEY

General:

The field check for wells was interrupted by vehicle breakdown, and was incomplete by Saturday morning when work was suspended. There may, therefore, be wells which are not located; and some which were located were not examined.

The above notwithstanding, there now exists a general picture of the pediment area south of the Sedimentary Hills, even though perhaps incomplete in regard to available information. As I stated on the telephone, further work is unlikely to change the evident geologic subsurface interpretation. Well summaries are shown on the attached map; those which were field checked are colored blue. Drillers logs, collected by Palant from the U.A. Agricultural Engineering Department, are enclosed for record.

No drill holes other than those of Kern County Land are likely to exist on sec. 32, and there is no habitation or grazing to suggest further field checks. Section 29 is uninhabited, and roads which could lead to well sites were checked, but none found except for a Conoco drill site. No field work further west was done except for a brief trip on the north and south lines of sec. 31, with negative results.

Interpretation:

The few wells of which I found sludge (cuttings) from bedrock permit interpretation of the drillers' logs with reasonable confidence. A Key well in this respect, since most of the sludge remains, is along the W. line of sec. 36, just north of the Ajo Road. (Mr. LaPoint visited this site with me in the field.)

This well has penetrated the black, partly calcareous siltstone and shale of the Mousehouse formation (Kinnison thesis) in the upper section of Cretaceous strata. There is usually a small amount of syngenetic pyrite (or marcasite) in this formation--and also in the very similar overlying Echo Valley formation. For practical purposes (as I have discussed with Mr. LaPoint) the two formations are probably not divisible. Both units are black when unweathered, and are brownish at the surface--probably due to attenuated oxidation induced by minor pyrite. The driller's log in sec. 36 recognizes the brownish oxidized zone ("Volcanic ash--yellow, green, and gray") and the black siltstone and shale ("Blue schist, blue shale, blue limestone").

The Key words, repeated by other drillers at different sites are "blue" or "black" coupled with "limestone" or "shale." The drillers' logs, together with a few wells where I have found corroboratory bedrock cuttings, suggest a shallow-covered pediment carved on unmineralized Mousehouse/Echo Valley, between Snyder Hill on the west and Kinney Road on the east, which extends north from the Ajo Road to the Sedimentary Hills. The hardened ("baked") thermally metamorphosed strata, which constitute the west part of the Sedimentary Hills and are described by Bennett as his "limy unit", are probably equivalent to my Mousehouse/Echo Valley. The metamorphism apparently does not extend south beneath alluvium in sec. 28, although it might extend southeast, where no well data are available.

Thus, the area to the east of Palant's ground is underlain by a bedrock subsurface of Mousehouse/Echo Valley formation as a broad pediment, and is unmineralized. This condition probably exists to some extent westerly into Palant's ground.

The pediment extends west through sec. 32, as shown by the old Kern County drill holes, which penetrated monzonite porphyry with very minor grains and thin seams of chalcopyrite. However, as interpreted by some 1960 geophysical work (gravity and resistivity), a major range-front fault strikes northwest across the SW tip of sec. 32. Thus, the area of shallow pediment which is potentially mineral bearing, and which could be cheaply prospected, within the limits of Palant's ground, is limited. Water wells to the west also indicate that the pediment is terminated in that direction not far from sec. 32.

The northern part of sec. 32 and the south part of sec. 29 may certainly be considered as potential prospecting areas, but this is only one square mile. Pervasive alteration/mineralization associated with a really major deposit could hardly be confined within that small an area. Possible extension of the porphyry to the south or southeast of sec. 32, beyond Palant's ground is unknown.

MISCELLANEOUS ITEMS

At your request, I obtained the following data.

1. Re: section 32, Conoco's application for a state prospecting permit was denied (6/5/73), and an appeal filed 6/25/73. This appeal was under review as of 8/2/73. Reason stated for denial was to the effect that the best interests of the public would not be served by granting a prospecting permit.

2. Wayne Wallace is agreeable to an exchange of data on section 32 for data on some other area in which Tenneco is currently interested. He also stated that a joint venture might be considered, but I believe he is lukewarm to such a proposal, and his offer to consider this is out of courtesy (telephone call 8/3/73). I have just heard indirectly that the Tenneco Tucson Office is closing, but have not checked this out.

3. Conoco has a drill rig on the south slope of the Sedimentary Hills, but no activity on the flats was evident during my field visit.

4. I.P. lines cannot be run into the developed area east of Palant's ground without crossing fenced property. Bopp Road, the main east-west public access, is lined with grounded fences. However, by running lines northerly, no problem should be found in sec. 32 or areas to the west.

5. Palant's placer claim posts are physically on the ground, and overlap Conoco federal claims. His location posts for type B state claims are present in section 32.

Yours very truly,

John E. Kinnison



cc: W. J. Walker, w/o att.

Phelps Dodge
Patent Copper
0102

State Land Dept.
Tel Call Mrs Smith

Conoco Applied for Prosperm. See 32.

Denied @ June 5, 73.

J. E. K.

AUG 02 1973

Conoco Appeal filed June 25 73

Reason for denial: This request
is Not in the best interest
of the public, and the
best interest would not
be served by granting
this request.

Aug 3

Talked with Wallace -
check with Beeder on meeting between Hadden
and Wallace next Tues or Wed.

Wallace is interested in possible trade of
info.



Western Exploration Office, Drawer 1217, Douglas, Arizona 85607 • (602) 364-8414

July 30, 1973

J. E. K.

AUG 01 1973

Mr. John Kinnison
2506 North Alvernon Way
Tucson, Arizona 85712

Re: Palant Property
Sedimentary Hills Area
Pima County, Arizona

Dear John:

We find only two Brown Mountain (7-1/2') quadrangles and one Cat Mountain (7-1/2') quadrangle. We have shown the outlines of the Palant property on them. These quads are enclosed for your use.

Very truly yours,

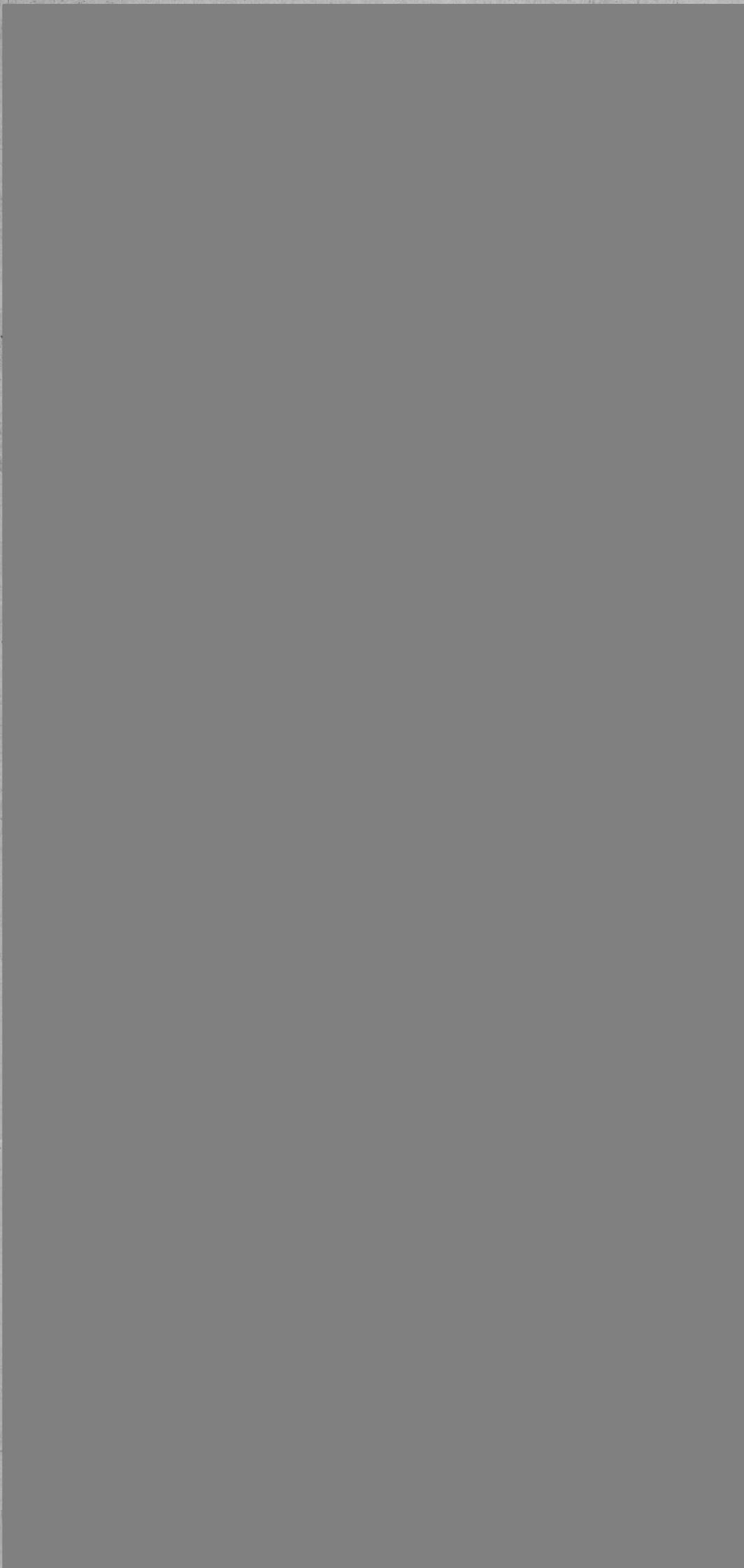


W. J. Walker

WJW:j
Encls.

ARIZ DAILY STAR
MON • JUL 23 1973

Overlapping *Lib Polant Cu*



Douglas 364-8414

Call to Ray Hadden of P.D. Expl.

J. E. K.

JUL 20 1973

Poland (Tel) Released me to give data
to Hadden (PD)

J. E. K.

JUL 23 1973

Ray Hadden —

Set up meeting with Ron ha Point —
in Tucson —

Ron ha Point - Called me at night. will meet
in Douglas mid Morning on Thursday.

Jul 24 - Tried to set up with ha Point for Tucson Meeting
but he was out.

Set up Sub No 0102

Re Job 0101

9 July 1973

Mr. Lyle Pallant
1501 North Miracle Mile
Suite 1421
Tucson, Arizona

Dear Lyle:

According to your telephone request, July 3, 1973, I met with James Cooksley the following day for general consultation regarding your mineral interests in the Southwest Tucson Mountains. Your check for \$100 is accepted as payment for that meeting and other work to date.

Although the geological background reviewed with Mr. Cooksley may be of general benefit to his geophysical studies, I am afraid I was unable to directly aid your legal problems on Section 32 and the E 1/2 Sec. 16, both in T 14S, R 12E.

For your benefit, I here summarize these three principal points:

- 1) The E 1/2 Sec. 16 is largely outcrop of the Amole formation, with some alluvial cover in the very NW tip of that area. Many years ago I briefly examined this area, and at that time I concluded that no mineralization of consequence was exposed at the surface. In my opinion, mineralization of significance is not to be expected at depth.
- 2) Section 32 is entirely covered with alluvium, and bedrock has been penetrated only by certain drill holes, of which I believe you are aware. You should probably try to obtain the logs of these holes from the company for which they were drilled (Kern County Land -- now incorporated in Tenneco).

Proof of mineral discovery is required by state law on both types A and B claims, and the State Land Department will presumably follow the general requirements for discovery that applies to federal mining claims: namely, discovery of mineralized rock in place (bedrock). On Section 32 you can obtain such discovery by drilling -- if in fact mineralized rock is there present beneath alluvium. Such a discovery will be needed on each claim.

However, the best course for you to take regarding discovery and exploration in general, on Section 32, is dependent on legal advice and on the outcome of the protest which your lawyer has filed regarding the prospecting permit which you state was granted to Conoco. Until the legal actions are better clarified, I will refrain from comment on the geological merits of exploration which you may wish to undertake.

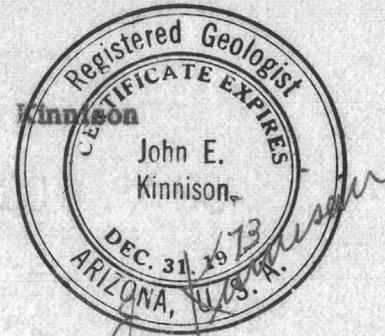
3) Copper, lead, zinc, and silver are known to exist in areas of previous exploration and mining in the Sedimentary Hills near Section 32, and at Saginaw Hill a few miles to the Southeast. Geologically, the general region may be considered as an appropriate place to consider exploration, particularly for a disseminated copper deposit. This general statement, however, is not likely to be of material value to your legal problems.

Should you desire additional consultation or comment, or should you wish for me to meet with Mr. Tognoni, please contact me for a mutually convenient time.

Yours very truly,

John E. Kinnison

cc: James W. Cooksley
2610 E. Grant Road
Tucson, Arizona



Cooksley Meeting July 4 1973

Pollant Copper

Discussion on ^{E/2} Sec 16 ~~16~~ T 14 S R 12 E

Job 0101

No known mineral on surface (or alteration)

No suggestion of potential or target

Current logs.

Sec 32 T 14 S R 12 E

1. Structural setting South of Apo Rd
(My, their work). Copy of Guelbert article
forwarded for review.
2. Comment on geophysics and K shale with
syngen. py.
3. Confidential notes re Kern drill hole
4. General statement of mineralization at
Sagevan H. H., Snyder Hill Brown Hill
and Seal Hills.

J. E. K.

. IIII 04 1973

Above topics for discussion with
Jim Cooksley re Pollant copper claim.

7/3/73
Call to Sir Cookley, for general
statement about his relationship with Palant.
Nuclear, but is trying to help establish minimal
proof on Page 32. Will become short consultation with me.
Quoted \$25/hr.

Cookley returned call. 4 hours authorized.
I am employed by Palant but he will not
be present at conference to take place at Cookley's.

Verified with Palant - working for him
and not a subcontract. - Meet Jul 4
at 10 AM.

J. E. K.

JUL 03 1973

Telephone Call
James W
Jim Cooksley Jr. — 795-9790 Tue — 7/3/73
2610 E Grant

Lyle Palant Real Estate
622-8803 Near Sedimentary Hills. —

Site-1421
1501 N. Miracle Mile

Secs 29 - All minerals $\leq 1/2$
32 - State Mining and oil lease
Type B

$w 1/2$ SW $1/4$ Sec 28) surface
 $w 1/2$ 33)

30) all Min
31) most of surface

24 All Min - 14 / 11

16 $\leq 1/2$

Not contemplating Mineral development
on his own.

Wants full protection of Mineral Rights - probably done.
Sec 32 - Evidence of ^{valuable} minerals. —

Hale Togni — suggested as attorney and ~~take~~ her
lead conference.

Wishes major company enter area for exploration

U.E.K.

JUL 03 1973