CONTACT INFORMATION
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Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
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inquiries@azgs.az.gov

The following file is part of the Walter E. Heinrichs, Jr. Mining Collection

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December 29, 1961

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Gila Claim Group

Dear Mr. Adams,

On 26 December 1961 the Gila 14, 15, 16, 17, 22 & 24 claims were relocated as the Xmas 14, 15, 16, 17, 22 & 24 Claims in the name of E. Grover Heinrichs. The claims have not been recorded as we thought it best to wait until it is decided whether or not you wish to relocate some of the former Jim claims, as discussed here in the office. A quit claim deed transferring the claims to you will be prepared after they are recorded.

We tried before Christmas to get into the area by crossing the river at Cochran but it was impassable and so had to return on the 26th and take the long way in by walking.

There were no apparent signs that anyone has been on any of the Gila claims either new or old since we were last there in September.

Some of the old Jim corners and notices were looked for and found, in the area east of Walnut Canyon that we discussed with you. They are apparently all in and easily locateable but do not tie to the present Gila Claims so would have to be re-surveyed and moved to eliminate gaps and fractions.

Gossip or rumor has it, locally, that the withdrawal will go through as there seems to be no active campaign to protest it. We will keep you informed on this and would appreciate you doing likewise.

In answer to your query about Century Mining Co. of Arizona, we found the article on page 18 of the November 1961 issue of Engineering & Mining Journal but are not familiar with this company. The manganese district around Bouse, Ariz. is known to us and until fairly recently was an important manganese producing area. We do not know if there are any workings being presently operated.

Very truly yours,

WEH:jh

Walter E. Heinrichs, Jr.

COPY

STATE OF ARIZONA }ss
COUNTY OF

I hereby certify that the within instrument was filed for record in County, Arizona

Witness my hand and Official Seal.

Indexed	Paged	Blotted

County Recorder

By ..... Deputy

No.

Book ..... Page .....

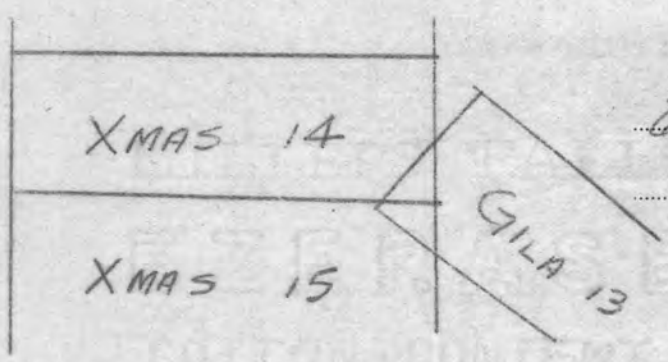
Date: .....
Request of:

Fee:

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the XMAS - 14 lode mining claim was located by E GROVER HEINRICHS on DEC. 26, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is NE - SW and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 705 feet in a N. EASTERLY direction to the NORTH center end monument or stake and 795 feet in a S. WESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN THE SOUTHWEST PART OF SEC. 25, T3S, R12E AND LAY ACROSS WALNUT CANYON



E. Grover Heinrichs

Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA } ss
COUNTY OF

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Request of:

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Indexed	Paged	Blotted

County Recorder

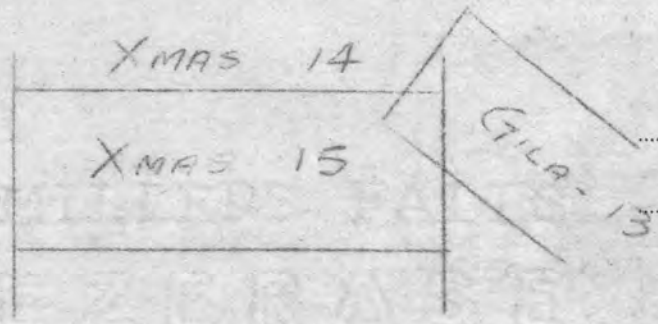
By.....
Deputy

Fee:

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the XMAS - 15 lode mining claim was located by E. GROVER HEINRICHS on DEC. 26, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is NE - SW and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 705 feet in a N. EASTERLY direction to the NORTH center end monument or stake and 795 feet in a S. WESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN THE SOUTHWEST PART OF SEC. 25, T35, R12E AND LAYS ACROSS WALNUT CANYON.



E. Grover Heinrichs
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

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Request of:

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Indexed	Paged	Blotted

County Recorder

By.....
Deputy

Fee:

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the XMAS -16 lode mining claim was located by E. GROVER HEINRICHS on DEC. 26, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is NE - SW and is situated in the MINERAL Creek Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 10 feet in a N. EASTERLY direction to the NORTH center end monument or stake and 1490 feet in a S. WESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 26, T3S, R12E,
& LAYS WEST OF WALNUT CANYON

XMAS 16	XMAS -14
XMAS 17	XMAS-15

E. Grover Heinrichs

Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA }
COUNTY OF } ss

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Indexed	Paged	Blotted

County Recorder

By.....
Deputy

Fee:

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the XMAS 17 lode mining claim was located by E. GROVER HEINRICHS on DEC. 26, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is NE. – SW. and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a N. EASTERLY direction to the NORTH center end monument or stake and 1450 feet in a S. WESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 26 & SEC. 35
T 3S, R12E JUST WEST OF
WALNUT CANYON

	XMAS 16	XMAS-14
	XMAS-17	XMAS-15

E. Grover Heinrichs
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA } ss
COUNTY OF

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No.

Book ..... Page.....

Date: .....
Request of:

Witness my hand and Official Seal.

Indexed	Paged	Blotted

County Recorder

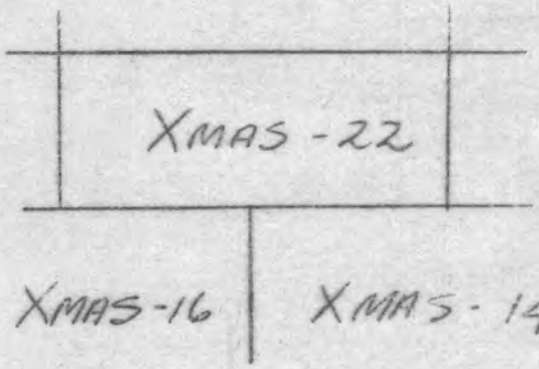
By.....
Deputy

Fee:

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the XMAS - 22 lode mining claim was located by E. GROVER HEINRICHS on DEC. 26, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is NE - SW and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 15 feet in a NORTHEASTERLY direction to the NORTH center end monument or stake and 1485 feet in a SOUTHWESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 26, T 3S, R 12E
AND JUST WEST OF WALNUT CANYON



E. Grover Heinrichs
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA }
COUNTY OF } ss

I hereby certify that the within instrument was filed for record in County, Arizona

No.

Book ..... Page.....

Date: .....
Request of:

Witness my hand and Official Seal.

Indexed	Paged	Blotted

County Recorder

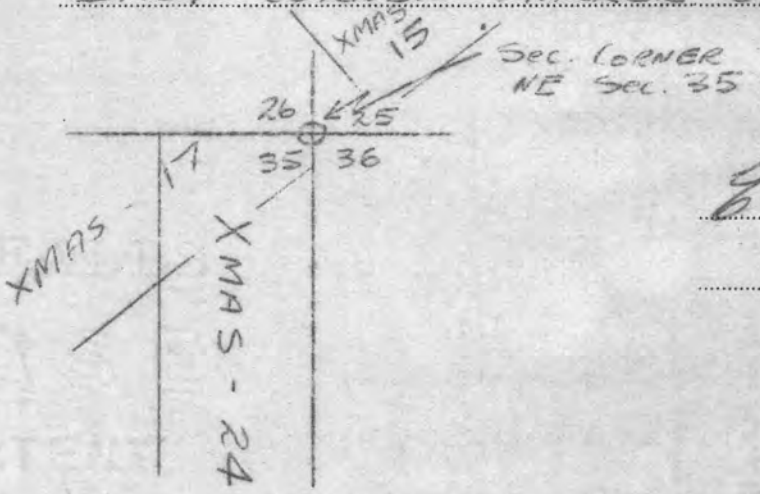
By.....
Deputy

Fee:

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the XMAS - 24 lode mining claim was located by E. GROVER HEINRICHS on DEC. 26, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is NORTH - SOUTH and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 700 feet in a NORTHERLY direction to the center end monument or stake and 800 feet in a SOUTHERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 35, T3S, R12E AT WALNUT CANYON. THE NORTHEAST CORNER OF THE CLAIM IS AT THE NORTH EAST CORNER MARKER OF SEC. 35



E. Grover Heinrichs

Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

TR. MK. REG U.S. PAT. OFF.

ORIGINAL COPR. 1910 BY J. O. PARKER

Robert M. Adams
Gila Claims
Sept. 1961

Marlatt
Graff
Ludwig

Transit & stadia
survey for
Gila 14 thru 21

LEFAX, PHILADELPHIA 7, PA., MADE IN U.S.A.

T	B.S.	F.S.	Hor. ∠	Vert	Stadia
NECOR Gl.A 14	Mag N	NW COR Gl.A 14	326.5°	+15°	643
"	"	N.E. COR Gl.A 14	"	+6°	303
"	"	TP1	55 6½ 20	+3°45'	150
"	"	TP2	33°30	+31°30	170
TP2	NEC 14	TP3	"	+30°	340
TP3	TP2	NECOR 15	213°30'	-33°	108
"	"	TP4	33°30	+14°	87
TP4	TP3	TP5	E	+10°	48
TP5	TP4	TP6	"	-4°	21
TP6	TP5	NEC-11	"	-29°	96
TP1	Mag N	Gl.A [illegible]	142°30'	+9°	307
"	"	G.[illegible]	326°30	[illegible]	[illegible]
"	"	TP7	55 6 30	+3°30'	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	"	[illegible]	1741
"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	"	[illegible]	[illegible]
"	TP7	TP9	W	+13°45	325
TP9	16/15 18/19	COR	"	+8	302
TP8	TP1	TP10	S	-1°30'	594
TP10	TP8	TP11	"	+3	930
"	"	COR	"	—	728
16/17 18/19	Mag N	E/C 19/19	E	—	350
"	"	TP12	"	-4°	392
TP12	16/17 18/19	COR	"	-8°20'	217
16/17 18/19	Mag N	TP13	W	+13°30'	86
TP13	16/17 18/19	TP14		+14°	38
TP14	"	COR	"	+10°	500

Dec. 13½°

Cor. D	Total	Info
600		NW COR. Gila 14 - 33½° W. of NORTH
		Pt. near top of steep hill
300		N. END CEN. GILA 14 ON a spur
705		E. Bank of walnut
122	122	
253	375	
75	300	N. END CEN Gila 15
83	458	
47	505	
21	526	
74	600	N.E. COR. Gila 15
300		Loc. Gila 15
300		Loc. Gila 14
463	1168	
332	1500	Cen. cor. Gila 14/16 15/17
168	1668	
600	600	[illegible]
300	300	[illegible]
305	305	[illegible] East
295	600	NW 16 SW 14
594	2262	
938	3190	
738	3000	Cor 16 17 / 18 19
300		End Cor 17/14
389	389	
211	600	NE COR 19
80	60	
36	116	
484	600	NW COR 18

TR. MK. REG. U.S. PAT. OFF.
ORIGINAL OOPR. 1910 BY J. C. PARKER
LEFAX, PHILADELPHIA 7, PA., MADE IN U.S.A.

M	B.S.	F.S.	Hz.	Vert.	Stadia
TP 9	16/17	End.	W	—	1.83
TP 11	18/19	Cons.	S	-4°	[illegible]

CF #15

Aug 28-1961

E-W

Monitoring Canyon
Mine Dist.

Lewis E Kleppage

50' E - 1450 W

Adjoins 16 on North
14 on S.
21 on E.
9 on W

ORIGINAL COPR. 1910 BY J. C. PARKER

TR. MK. REG. U.S. PAT. OFF.

Cond.	Total	Info.				
188	300	N. CEREAD				
1310	4500	com cor	18/19 20/21			

LEFAX, PHILADELPHIA 7, PA., MADE IN U.S.A.

[illegible]	[illegible]	[illegible]	[illegible]	Vert	[illegible]
[illegible]	[illegible]	TP15	[illegible]	+7°	[illegible]
TP15	[illegible]	[illegible]	180 [illegible]	+13°	112
"	"	NE [illegible]	90 E	-16° [illegible]	211
SEC [illegible]	Magn	TP16	180 E	+1°	450
TP [illegible]	[illegible]	[illegible]	[illegible]	+4	[illegible]
TP17	[illegible]	[illegible]	270 W	[illegible]	31[illegible]
TP18	TP17	[illegible]	270 N	+1	545
"	"	S [illegible]	90 [illegible]	+1	250
SEC 24	TP18	SE [illegible]	90 E	+16 [illegible]	320
"	"	S.W. "	270 W	+6°	3[illegible]
[illegible]					
SEC 12	MAGN	TP17	[illegible]	+13 [illegible]	4[illegible]
[illegible]	SEC [illegible]	[illegible]	180 [illegible]	[illegible]	31[illegible]
SEC 22	TP20	SEC EN 22	90 NW	+17°	330
"	"	SW [illegible]	"	+26°	750
TP1	Magn	TP21	33½ NW	+4	604
"	"	[illegible]	"	+5° 30'	850
TP22	TP1	NE CEN 22	"	—	5[illegible]

ORIGINAL COPR. 1910 BY J. C. PARKER

TR. MK. REG. U.S. PAT. OFF.

Con.	Total	Info
493	493	west side wash
107	600	N W COR Gila 24
193	300	N.E. CEN. " "
450	450	East side wash
795	1245	up hill east side wash
300	300	west side wash
545	700	Loc. Gila 24 (700 N-800 S)
250	1495	S. End C. Gila 24
300	300	S.E. COR Gila 24
300	300	S.W. COR. Gila 24
460	460	
315	775	S.E. Cor. Gila 22
300	300	S.E. CEN. Gila 22
600	600	S.W. COR. " "
600	600	NE COR Gila 22 put in 20' S.W. [illegible]
850	850	
50	900	NE CEN. Gila 22 put 20' SW

LEFAX, PHILADELPHIA 7, PA., MADE IN U.S.A.

October 16, 1961

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Gila Claim Group

Dear Mr. Adams:

Enclosed you will find the following:

1. Original recorded copies of the Affidavit of Labor for the assessment year 1960-61 filed Pinal County Courthouse, Docket 305, page 3.

2. Original recorded location notices on file in Pinal County Courthouse of the following claims:

CLAIM NAME	DOCKET	PAGE
Gila 14	305	254
Gila 15	305	255
Gila 16	305	256
Gila 17	305	257
Gila 18	305	258
Gila 19	305	259
Gila 22	305	260
Gila 24	305	261

We have retained a conformed copy of each of the above recorded instruments for our file.

3. Gila Claim Group statement for assessment work year 1960-1961

4. 9x9 aerial photo showing location of dozer work and outside boundary of Gila Claims.

5. Gila Claim Group statement for additional claims located September 1961.

Final map, Scale 1" = 500' Gila Claim Group to follow.

If you have any comments please do not hesitate to let us know.

Very truly yours,

EGH:jh

E. Grover Heinrichs

Enclosures

October 16, 1961

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Gila Claims ✓ File
Fortuna Claims

Dear Mr. Adams:

Your letter of 9 October 1961 has been received. Below are my comments to your questions, answered in the same order as you asked them:

A) Yes, the high magnetic intensity zone mentioned in the GEOEX report dated 25 September 1961 is of interest and if further work is contemplated it is recommended that this zone be closed off to the south.

B) As covered above.

C) An induced polarization survey would be worthwhile in the Fortuna Area. I.P. is currently the best known geophysical method of locating disseminated sulfide concentrations.

D) Enclosed is a sketch showing in red pencil my suggested changes in the Fortuna Claim Group configuration. My reasons for these changes are as follows:

1) Corner four claims at present workings so that mineral is on all four claims without doubt. See the enclosed sketch map.

2) Abandon the Esperanza for the time being because of the distance and strike from present known mineral and geophysical trends.

3) Maintain the present general strike of the 4 claims so as to take advantage of present location pits and continuous title over a long period will have been maintained at least on the Fortuna 6, Fortuna 7 and Fortuna 9.

4) Covering the magnetic anomaly is a separate problem and should be handled by locating another claim parallel with the trend of the magnetic anomaly. The corner locations could be surveyed in after the magnetics was completed to the south. The ground, in the interim period could be tied up by a location monument south of the SW corner of the Fortuna #6.

E) Yes, the correlation is weak between the copper concentrations on the geochemical survey and the magnetics. Nevertheless it is still there and does point to the same general area.

F) The Fault is approx. 1600 ft. north of the north edge of Fortuna 7 and Fortuna 9. Although the magnetic picture showed little in this area, the fault could still provide some "plumbing" however one profile is not enough information to say much.

G) At Line 6N, Station 0 the magnetic anomaly is still trending to the northeast and any further magnetics done should close this anomaly off. A minimum of two EW lines 1,000 ft. long and 300 ft. apart would accomplish this, I believe.

In reference to the third paragraph, page 2 of your letter of October 9, 1961 I think further geochemical work is not necessary at this time. Any exploration money would be better spent finishing the magnetic survey and conducting an I.P. survey over a zone indicated by the magnetics.

In reply to your paragraph 4, page 2 the dozing and road work done was not entirely money down the drain. In fact 95% of the road is still intact. The areas washed out are where the road crosses the drain or goes down the wash. The most critical point is in Barcelona Wash at the waterfall. We had dozed a dirt ramp here, passable for a jeep. However, the following week a flash flood took it out. This spot is still impassable for a 4 w/d vehicle. There are a few other bad areas but they are passable for a 4 w/d vehicle.

It is my understanding that you wish us to approach the Bureau of Land Management and sound out the chances of obtaining a patent to four claims as shown in my enclosed sketch map.

We will proceed with this upon your approval of a configuration for the claims and authorize us to commence this phase of work on the Fortuna Group.

Very truly yours,

HEINRICHS GEOEXPLORATION CO.

E. Grover Heinrichs

EGH:jh

AFFIDAVIT OF PERFORMANCE OF ANNUAL LABOR

Docket 305, Page 3.

STATE OF ARIZONA)
) ss.
COUNTY OF PIMA)

WALTER E. HEINRICHS, JR., being first duly sworn, deposes and says:

That he is a citizen of the United States and more than twenty-one years of age; he is a registered professional mining engineer, No. 2447, in the State of Arizona, and he is personally acquainted with all of those certain unpatented mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, in Secs. 25 and 36, T 3S., R 12 E, and Secs. 30 and 31, T 3 S., R 13 E., G.& S. R.M., the names of which and the books and pages of recording of the location notices are found in the office of the County Recorder of Pinal County as follows:

NAME OF CLAIM	DOCKET	PAGE
Gila No. 1	151	594
Gila No. 2	151	595
Gila No. 3	151	596
Gila No. 4	151	597
Gila No. 5	151	598
Gila No. 6	151	599
Gila No. 7	151	600
Gila No. 8	152	1
Gila No. 9	152	2
Gila No. 10	152	3
Gila No. 11	152	4
Gila No. 12	152	5
Gila No. 13	152	6

That the said mining claims are contiguous and constitute a single group and are owned by Robert M. Adams Company.

That the affiant is now, and has been since August 1959, employed as consulting mining and exploration engineer and geologist by Robert M. Adams Company, and that he is duly authorized to make this affidavit for and on behalf of the owner of the said property.

That between August 17, 1961 and September 4, 1961 at least Thirteen Hundred Dollars ($1300.00) worth of work not including location work on the claims, was done and performed upon one or more of the claims for the benefit of all the said claims in the group.

The work was performed by Heinrichs Geoexploration Company of Tucson, Arizona, at the request and expense of Robert M. Adams Company as owner of said claims, for the purpose of complying with the laws of the United States pertaining to assessment or annual work for the assessment year ending September 1, 1961 at a cost in excess of $1300.00 and E. Grover Heinrichs, John W. Marlatt and Chris S. Ludwig, employees of Heinrichs Geoexploration Company, all of Tucson, Arizona and A. A. Brown of A. A. Brown Construction Co. of Tucson, Arizona

were the men who labored upon said claims, did said work and improvements, the same being as follows, to-wit:

Road repair and improvement ~~and additional~~ new road building.

Registered Professional Engineer (Civil) CERTIFICATE EXPIRES DEC. 31, 1961 WALTER E. HEINRICHS, JR. ARIZONA, U.S.A.

Walter E. Heinrichs, Jr.
Registered Engineer

Subscribed and sworn to before me this 8th September 1961.

M. Jean Heinrichs
M. Jean Heinrichs
Notary Public

My commission expires:

July 20, 1965

Recorded: Sept 28, 1961, 8 a.m.
Pinal County

232327

S.S. Carolyn Ortega
Deputy Recorder

Promised

Mon. Tues.

Wed. Thurs.

Fri. Sat.

____AM ____PM

SEP 9

SEP 9 1959

No. E 12385

DATE 9/9/59

NAME Reinicke Geoexploration Co.

ADDRESS P.O. Box 5671 PH. NO.

No. Rolls Inclosed		SIZE	Prints of Each
Black-and-white	Color		0, 1, 2, 3, 4, 5, 6, 7, 8, 9
1		828	

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____No. Negatives Inclosed

Please Print____of Each

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JUMBO PRINTS ALWAYS MADE UNLESS REQUESTED CONTACT.

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Developing	20
14 Prints	11 2
Enlargements	
TOTAL COST	132

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SPECIAL INSTRUCTIONS

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Caples Camera Co

2415 N. Campbell Ave.

PHONE EA 7-4265

TUCSON, ARIZ.

DEVELOPING PRINTING ENLARGING

AFFIDAVIT OF PERFORMANCE OF ANNUAL LABOR

STATE OF ARIZONA)
) ss.
COUNTY OF PIMA)

WALTER E. HEINRICHS, JR., being first duly sworn, deposes and says:

That he is a citizen of the United States and more than twenty-one years of age; he is a registered professional mining engineer, No. 2447, in the State of Arizona, and he is personally acquainted with all of those certain unpatented mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, in Secs. 25 and 36, T 3S., R 12 E, and Secs. 30 and 31, T 3 S., R 13 E., G.& S. R.M., the names of which and the books and pages of recording of the location notices are found in the office of the County Recorder of Pinal County as follows:

NAME OF CLAIM	DOCKET	PAGE
Gila No. 1	151	594
Gila No. 2	151	595
Gila No. 3	151	596
Gila No. 4	151	597
Gila No. 5	151	598
Gila No. 6	151	599
Gila No. 7	151	600
Gila No. 8	152	1
Gila No. 9	152	2
Gila No. 10	152	3
Gila No. 11	152	4
Gila No. 12	152	5
Gila No. 13	152	6

That the said mining claims are contiguous and constitute a single group and are owned by Robert M. Adams Company.

That the affiant is now, and has been since August 1959, employed as consulting mining and exploration engineer and geologist by Robert M. Adams Company, and that he is duly authorized to make this affidavit for and on behalf of the owner of the said property.

That between August 17, 1961 and September 4, 1961 at least Thirteen Hundred Dollars ($1300.00) worth of work not including location work on the claims, was done and performed upon one or more of the claims for the benefit of all the said claims in the group.

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were the men who labored upon said claims, did said work and improvements, the same being as follows, to-wit:

Road repair and improvement and additional new road building.

Registered Professional Engineer
CERTIFICATE EXPIRES
WALTER E. HEINRICHS, JR.
DEC. 31, 1961
ARIZONA, U.S.A.

Walter E. Heinrichs, Jr.
Registered Engineer

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M. Jean Heinrichs
Notary Public

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July 20, 1965

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Registered Engineer

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M. Jean Heinrichs
Notary Public

My commission expires:

July 20, 1965

September 20, 1961

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

Enclosed is a sketch map showing the approximate location of the Duval "C.F." Claim Group. These claims were located on 28 August, 1961 and no corners have been surveyed in as yet except those corners along the common end lines as indicated on the map.

The Gila Claim Group over laps Duval. We had surveyed in Gila 18 and 19 before discovering the Duval Group. We are leaving the notices up on Gila 18 and 19. If Duval does not perform their obligations by November 26, 1961 then your Gila 18 and 19 become valid.

As the surveying is complete on the Gila 14, 15, 16, & 17 it is suggested that they be left intact. Then as per your instructions we will add Gila 22 and Gila 24. This will give you a total of six claims. If you desire we will add Gila 21 and Gila 23. However, these will not be necessary in order to have a contiguous group since Gila 14, and 15 overlap Gila 13. Gila 20 is a possibility but we plan to omit it for now.

The dozer work that we had done at the waterfall, in order to allow a vehicle to go down Barcelona Wash was for naught because just a few days after completion a flash flood took out the road at this point. The road from Barcelona to Walnut is still passable with a jeep, and Walnut Wash is passable with a vehicle at least to the Gila Group.

The production has been poor because of poor accesswwhich involves about 4 hours walking per day due to the flash flood. Present expenses are around $1400.00. Future expenses on adding Gila 22 and 24 will be about $500.00 and this will be quite a bit less than I mentioned over the phone. However if you decide to stake Gila 20, 21, & 23 expenses could go an

additional $900.00 or a total of $1400.00.

The claim layout is rather difficult and a fraction will exist south of the SW corner of Gila 23. This fraction is unavoidable. If the Duval interests develop further in the area, this fraction should be staked.

Please telephone if you think it advisable to stake Gila 20, 21 & 23. Any comments you may have on the preceeding will be most welcome.

Very truly yours,

HEINRICHS GEOEXPLORATION CO.

E. Grover Heinrichs
Vice President

EGH:jh

Enclosure: Sketch Map

August 31, 1961

Mr. A. A. Brown
462 W. Thurber
Tucson, Arizona

Dear Mr. Brown:

In accordance with our discussion today, it is proposed that Heinrichs Geoexploration Company employ you and your Caterpillar Traxcavator for work near Ray, Arizona. It is understood and agreed that:

1. The hourly rate you charge for operating your equipment is $16.50 per hour.
2. $1.00 per mile is the charge for moving the equipment from Tucson to the job and no charge to Geoex for travel return to Tucson.
3. You will meet us on the road outside of Ray, Arizona at about 10:00 a.m., September 1, 1961.
4. It is expected that the minimum expenditure will be at least $600.00.
5. Geoex personnel will be on hand to act as guide in the area, show where the work is to be done and generally supervise the operation. A Geoex vehicle will be used for transportation of men, fuel, etc. daily.

If the above is satisfactory to you, please acknowledge your agreement by signing below.

Very truly yours,
HEINRICHS GEOEXPLORATION CO.

E. Grover Heinrichs
Vice President

EGH:jh

Signed: A. A. Brown
A. A. Brown

Date: Aug 31/61

Gila File

August 23, 1961

VIA AIR MAIL

R. M. Adams
Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

Your letter of instructions of August 18, 1961 has been received and we have scheduled work to commence on file Fortuna Group tomorrow. We plan to run magnetics and will follow the outline as you suggested in your letter.

In order to actually meet the requirements of the law pertaining to assessment work it will be necessary to spend more than $400.00. Such things as recording fees and affidavit preparation and etc. will be over and above the $400.00. However I don't think it will exceed $25 - $30.

It has been our policy in the past to have an advance payment on all extended field operations, therefore I respectfully request $400.00 to cover the Fortuna assessment work.

The Gila project is still awaiting your go ahead. As I mentioned on the phone last Saturday August 19th Geoex personnel scouted the area of the Gila claim group and found the road impassable down Barcelona Canyon at the point of the waterfall. This will mean dozer & rock work at the waterfall to make it passable for the vehicle. The drop at the waterfall is about 6' and we expect the cost to approximate $400.00 to blast and clear this area to allow a vehicle through. Although the waterfall is off the Gila Claims the expense <u>will</u> apply as assessment work on the Gila Claim Group. The remaining $900.00 can be spent on road work on the claim group itself. We have found some local equipment for use on the Gila but have not made a definite commitment for it till we hear from you. The hermit (gold mine) is still camped in Barcelona Canyon and his partner

has apparently left him. No visable activity was noted between the Gila Claims and the Pioneer Claim Group of Cerro. Cerro apparently has discontinued drilling but is keeping the claims.

We are awaiting your early instructions so that equipment can be arranged for, and respectfully request an advance of $1300.00.

Any new claims located as discussed on the phone August 12, 1961 will be located after Sept,1, 1961 and I would like written instructions as to your wishes in this matter.

Very truly yours
HEINRICHS GEOEXPLORATION CO.

E. Grover Heinrichs
Vice President

EGH:ib

June 19, 1961

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

We have your letter of 9 June 1961.

Regarding locating more claims in the Gila Group Area we will await further word from you before proceeding with any field work. I must alert you, however, that we are quite busy and may need as much as three weeks notice prior to being able to start any fieldwork. This therefore requires that we hear definitely from you at least by the first of August for proper scheduling of any work to begin before September 1, 1961.

As you recall, Federal law allows only two consecutive years of geophysical work to apply on assessment work and consequently, road work, drilling or trenching will be required for this year. We will be happy to handle this work for you if you so desire.

No map we have in your files shows the "Pioneer Group". The only map we know of which shows "the area from Florence to the Gila River and on.....to the Copper Butte Area", is the old U.S.G.S. Florence Quad. Cerro's current interest in the Pioneer Group is unknown and status of Kennecott claims is also unknown.

If you have any further questions, please let us know.

Very truly yours,

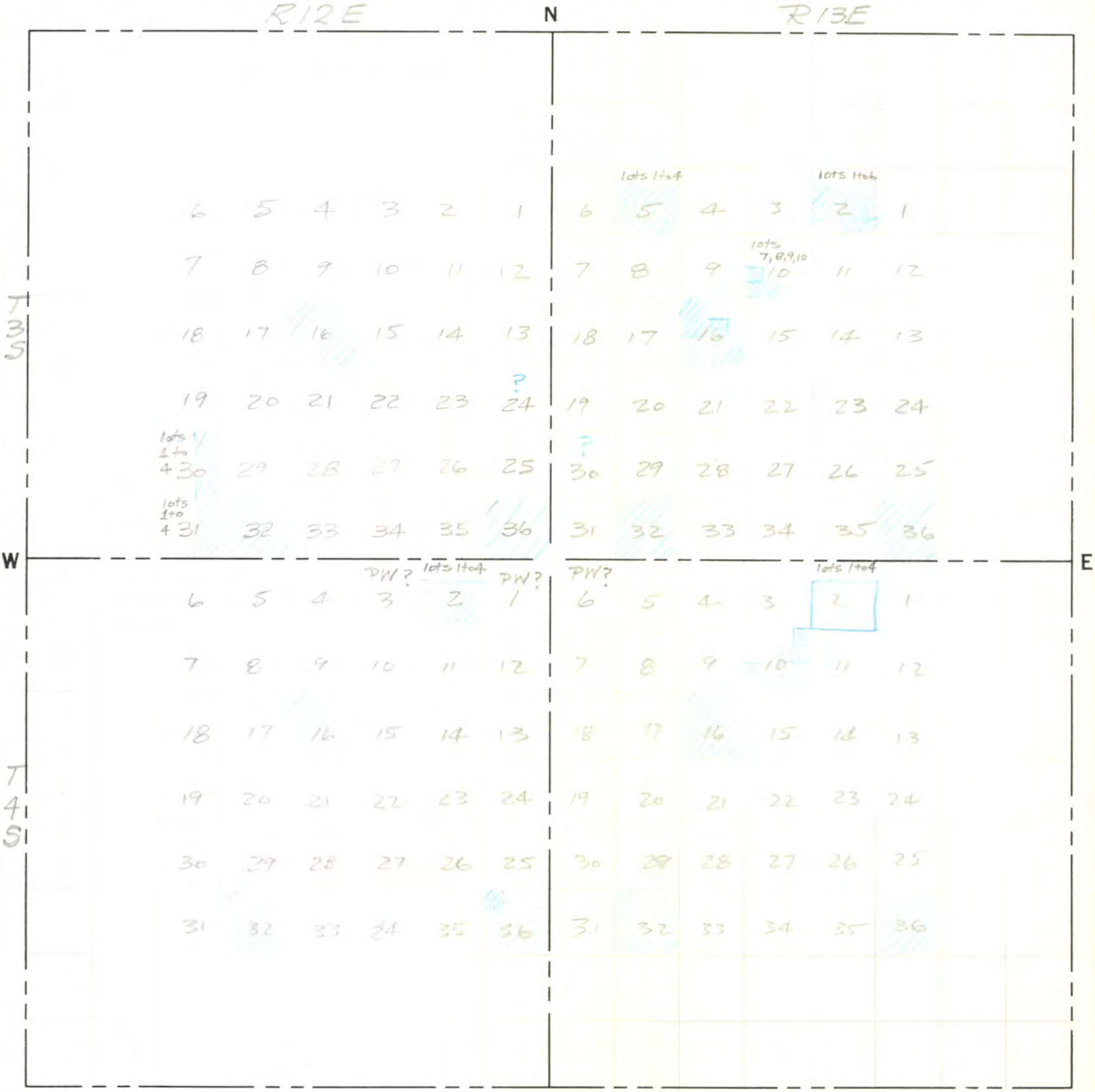
HEINRICHS GEOEXPLORATION CO.

EGH:jh

E. Grover Heinrichs

Land Status
Adams Gila Claims AREA

SCALE FOR SECTION, 660 Ft.=1 Inch. { Each side large blue squares = 20 chains, 80 rods, 1320 feet; area of square 40 acres.
Each side small red squares = 5 chains, 20 rods, 330 feet; area of square 2½ acres.



State LAND 9/5/61

SCALE FOR QUARTER SECTION, 330 Ft.=1 Inch. { Each side large blue squares = 10 chains, 40 rods, 660 feet; area of square 10 acres.
Each side small red squares = 2½ chains, 10 rods, 165 feet; area of square .625 of 1 acre.

PRONTO LAND MEASURE 660 - 330 MAP SHEET

PRONTO LAND MEASURE

Copyright, 1950, James Hamilton Adair, Flint, Michigan

Adams Gila Claims Area

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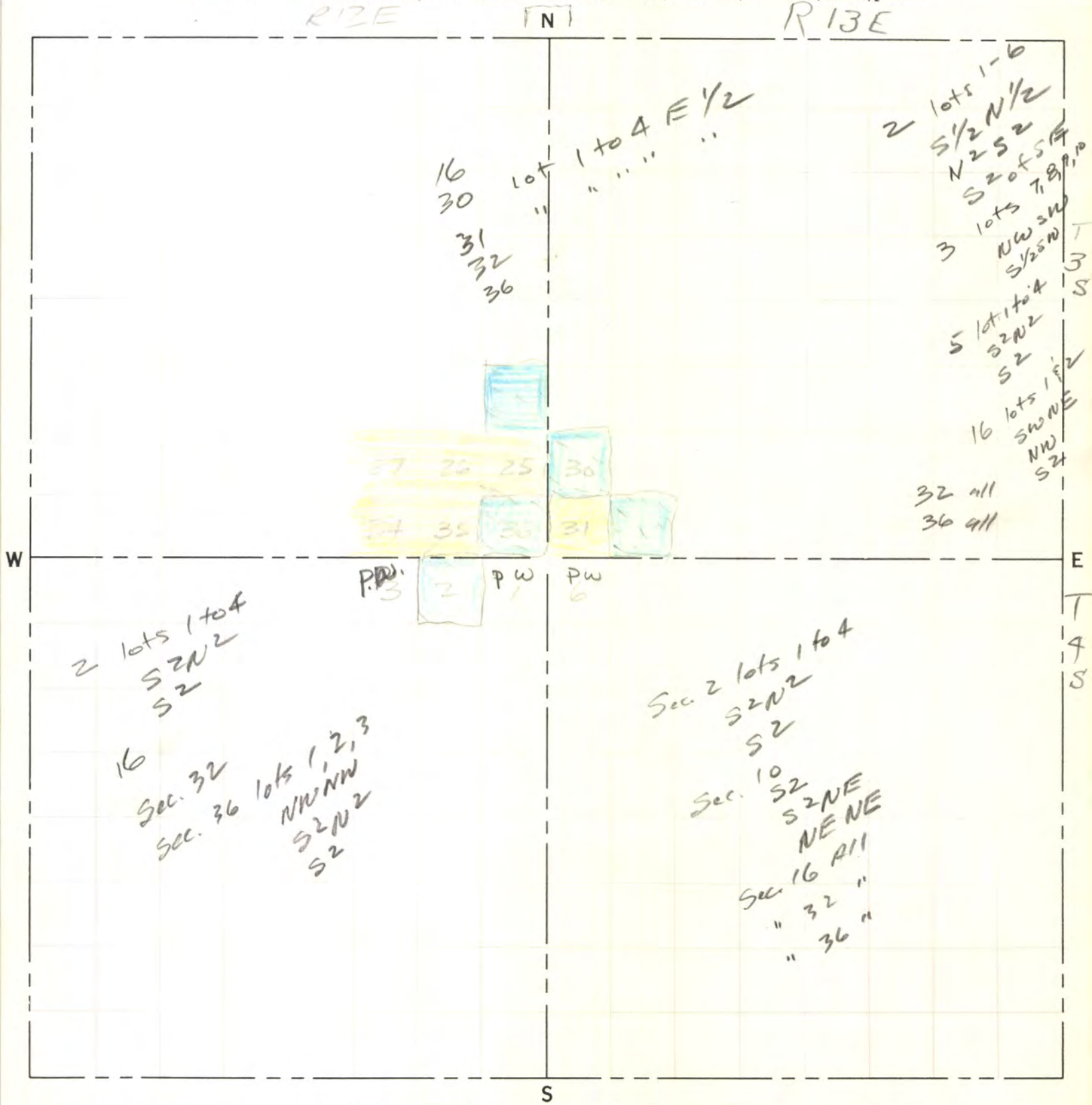

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State

Federal

PRONTO LAND MEASURE 660 - 330 MAP SHEET

PRONTO LAND MEASURE

Copyright, 1950, James Hamilton Adair, Flint, Michigan

P.W = Power site withdrawal

8/12/61

8 claims
SW

R.E. Adams

Send some one in field
to determine land status Area

Check Duval
Three friends
Jim Claims

Arrange Bull Dozer man
to cover Assessment work
$1300.00 Gila claim

8

end to end 4 long 2 wide
Running S.W. according
Strike on Amer. Metals Map

#400.00 Fortuna Group

G. P.

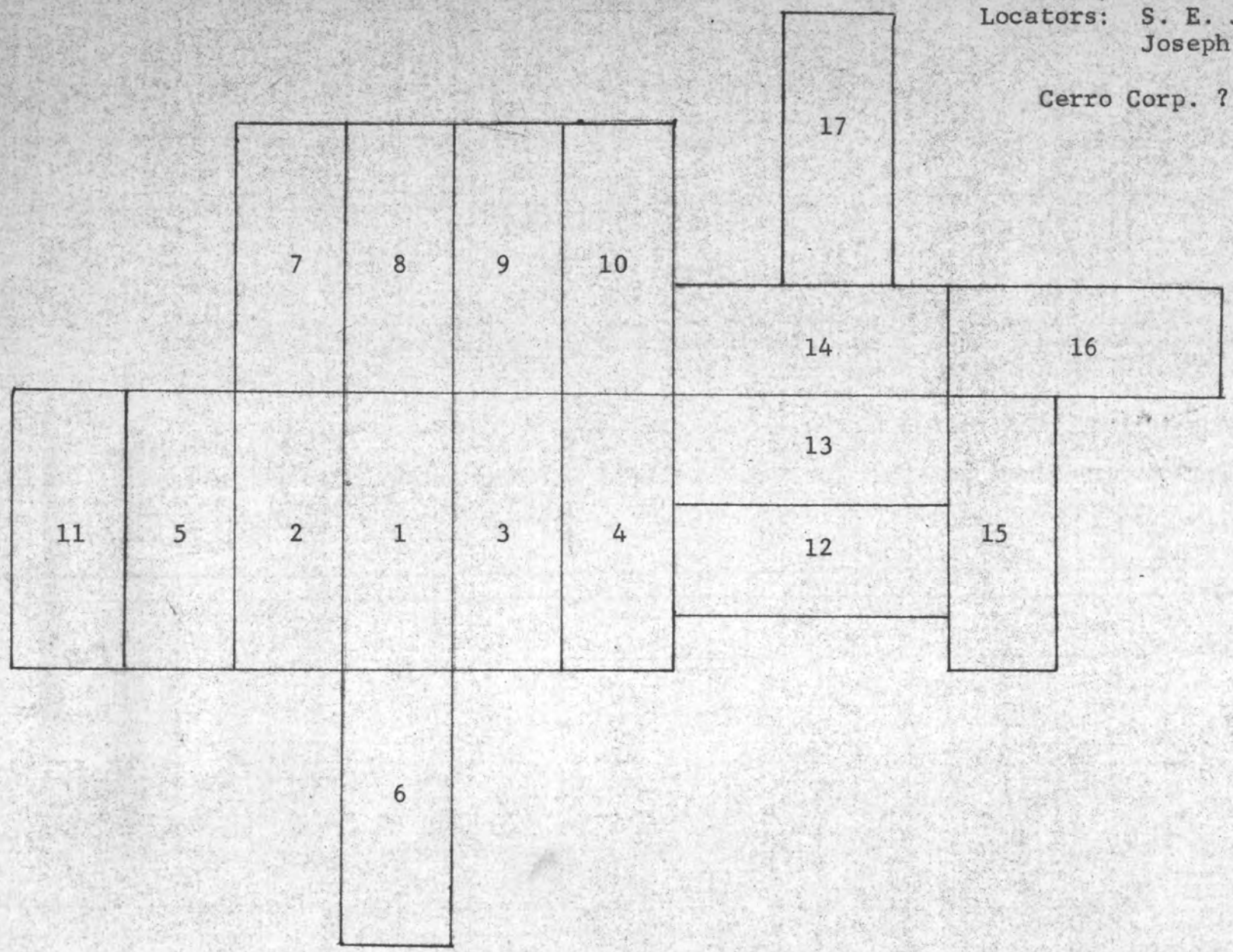
end work around

W. end of Mtn.

PIONEER CLAIM GROUP
Section 5, T 4 S, R 12 E, Pioneer Mining Dist.,
Pinal County, Arizona

(exact location or orientation unknown)
Locators: S. E. Johnson
Joseph A. Akren

Cerro Corp. ?



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Pinal County, Arizona

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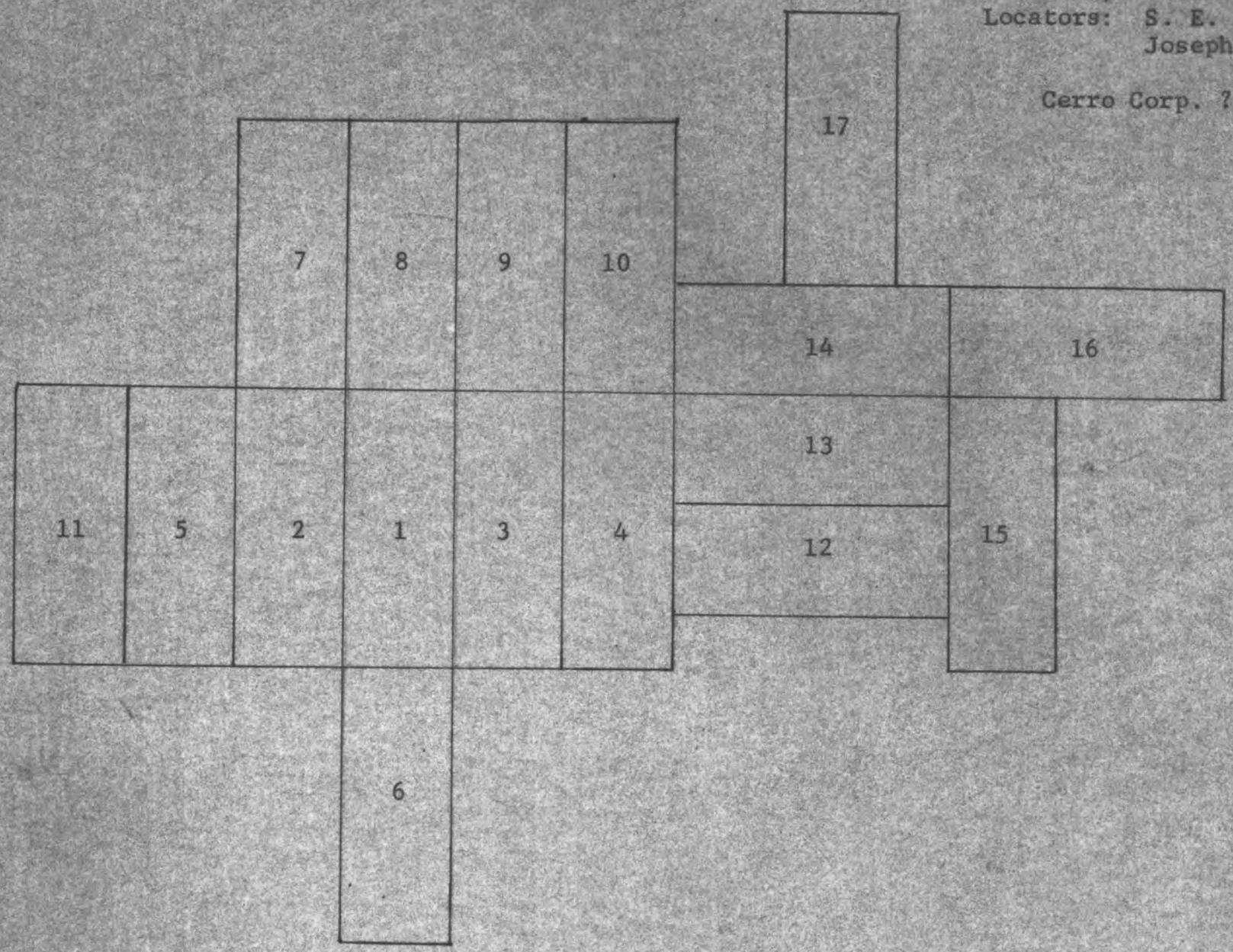

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(exact location or orientation unknown)
Locators: S. E. Johnson
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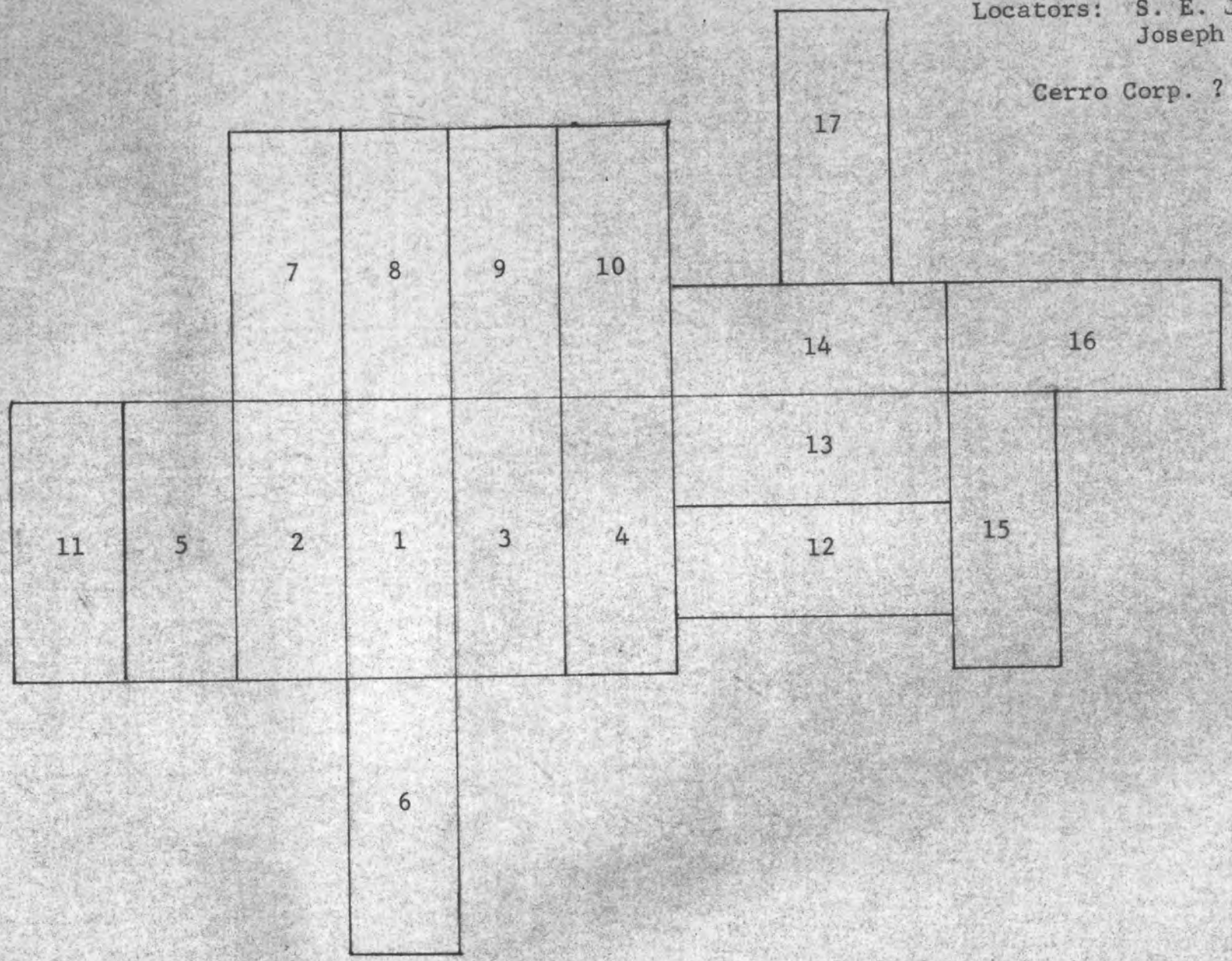

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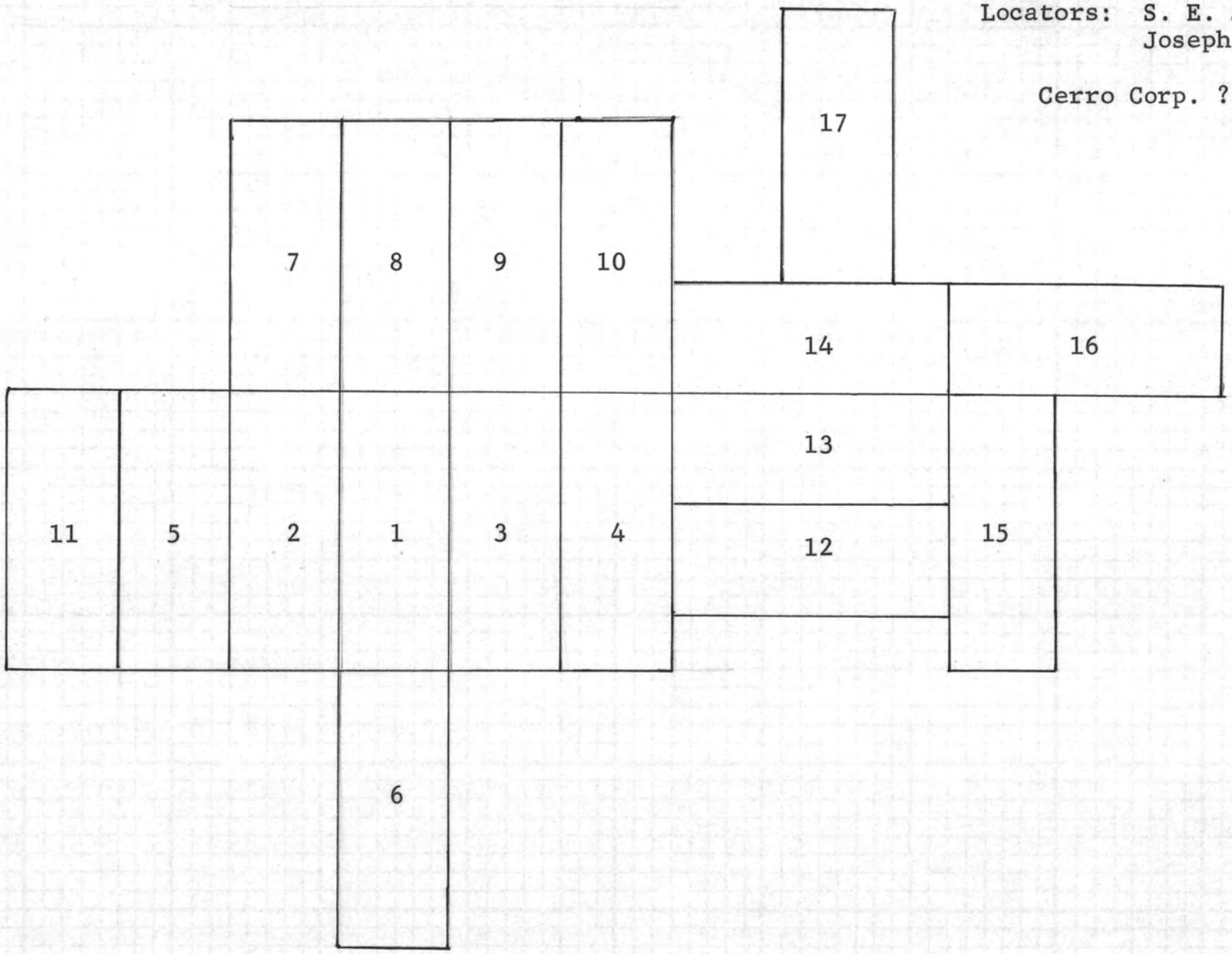
Section 5, T 4 S, R 12 E, Pioneer Mining Dist.,
Pinal County, Arizona

(exact location or orientation unknown)
Locators: S. E. Johnson
Joseph A. Akren

Cerro Corp. ?



July 27, 1961

Mr. Robert M. Adams
Fidelity Bldg.
Duluth 2, Minnesota

Re: Gila Claim Group Project
Pinal County, Arizona

Dear Mr. Adams,

As per your telephone request of July 17, 1961, Mr. D'Antonio has been contacted and because of his heavy schedule, it was suggested that GEOEX make the Pinal County Court House investigation as you asked in your letter to Mr. D'Antonio dated June 9, 1961. This has been done. The results of the investigation are outlined below.

Request 1. Try to identify the descriptive location of Cerro Pioneer Claim Group.

Claim Name	Locator	Recorded Doc.No.	Recorded Page	Location Date
Pioneer 10-14	S. E. Johnson Joseph A. Akren	31	553-557	8/24/50
Pioneer 15-17	"	43	369-371	2/15/51
Pioneer 18-25	"	49	365-372	8/6/51

location notices for 1-10 were not found but it may be assumed that the group is owned by one group as indicated in affidavits of labor.

This is the only group of claims that is in the general area of the Gila Claim group that is called Pioneer. There is no indication in the Court House that Cerro has optioned the claims. The locators are not known by our organization. See attached sketch map for approximate location of claims.

Request 2. New Filings by Duval.

No new filings of claims by Duval were noted. It is possible that the claims may have been optioned from other people or filed in the name of an individual. This should be checked on the ground.

Request 3. Claumet and Hecla claims were searched for in the records with negative results. This should be checked on the ground.

Request 4. No claims were noted as being specifically in the area between the Pioneer Group and N.E. to the Gila Group. This should be checked on the ground, also.

Request 5. (as below)

Claim Name	Locator	Recorded Doc.No.	Recorded Page	Location Date
Three Friends 1,2,3,4,5,6	Carlos Gortariz Vern Swindler T. L. Duncan 1416 E. Dunlap Sunnyslope, Ariz.	225	580-585	2/28/59

see sketch

N

Copper Butte Mine Prop.

4	5	6
1	2	3

Your letter of July 19, 1961 has been received along with 3 maps.

We have not contacted Mr. Wilson as yet however at the first opportunity we will contact him regarding future claims staked.

I think any bulldozer work done should be properly supervised so as to take proper advantage of terrain to gain accessability. Bulldozer pits do qualify for location work and this would be a logical way to handle your problem of assessment for this year.

I recommend that if you plan to acquire more ground that an initial reconnaisance be made of the area to determine the status on the ground. All that is practical has been done as far as Court House investigations are concerned; it is now mandatory to make a ground check.

Please let us know when you wish to start any future field work as present commitments may make it difficult to schedule a field crew without some advance notice.

Very truly yours,

EGH:cp
cc: Mr. D'Antonio

E. Grover Heinrichs
Vice President

April 22, 1960

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Core Storage

Dear Mr. Adams:

We now have on hand the core obtained last year from the assessment drilling of the Fortuna Group as well as a quantity of core, sludge, pulps, etc. obtained from Al Rugg, some of which he obtained from Lee Vought. This represents everything that is known to us to be available.

Because we also have considerable core and sludge etc. on hand belonging to various other clients, it has been necessary for us to expand a little by renting additional space and setting up a core storage room where all this may be kept, readily available for inspection by clients or their duly authorized representatives. Naturally we give this and all clients' material all reasonable care, but of course cannot be responsible for loss by fire, or theft, etc.

All of this has made it necessary to assess each client involved a proportional share in this additional cost to us, and consequently you will be billed $5.00 a month for core storage or $50.00 per year in advance, which ever you prefer.

Very truly yours,

Walter E. Heinrichs, Jr.

WEH:jh

April 22, 1960

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Gila Copper

Dear Mr. Adams:

Your letter of 18 April 1960 has been received.

It is not quite clear whether you wish to proceed immediately to stake additional claims or not. You mention a Brunton survey. Would you want claims staked completely--locations, end centers and corner posts--by Brunton, or just locations for now by Brunton and re-do it later by transit? You are aware, of course, of the 90 day deadline for completing the monumenting and digging the discovery pits.

We can survey by Brunton, and post the location notices for the 6 necessary claims in two days, using a four man crew, at a cost of $150.00 per day plus expenses or about $400.00 total. This includes recording the notices.

We do not recommend that a completed job, including all corner monuments, be done by Brunton. The small saving in time is not worth the inescapable error that enters into Brunton work, and will not materially alter the costs as quoted to you in my letter of 12 April 1960. For the staking, these figures were approximately $900.00 for 6 claims, $1350.00 for nine claims, not including the pits which are an additional $150.00 each pit.

If you will advise us as to which of the above mentioned routes you wish to follow and advance funds for the estimated amount, we will get a crew on it promptly.

Very truly yours,

Walter E. Heinrichs, Jr.

WEH:jh

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

April 18, 1960

RECEIVED APR 20 1960

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
806-808 West Grant Road
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

RE: GILA COPPER

Since talking with you in Tucson in March and also acknowledging your recent letter, I am just leaving the office for a two weeks trip East and aside from that have been pretty well snowed under since my return to Duluth. So I'm simply going to comment briefly at this time.

It's apparent that there is current interest in that general area on the part of at least two companies, at least to the extent of having indicated to us that they may want to be talking with us further because of their general ideas in regard to the locality and also having given us the impression that maybe they expect to get the benefit of information which we have acquired or do acquire at our expense with no commitments whatsoever on their part. I think we will continue the present policy of keeping our own information to ourselves until we may feel justified in any given instance in doing otherwise.

What I may suggest first as to physical moves on the ground is that we step out and locate ~~perhaps first just~~ some additional claims by Brunton survey--before doing any further geophysical work. I'm thinking of course of some additional ground to the south and west to start with.

Very truly yours,

Robert Adams

RMA:go

April 12, 1960

Mr. Robert M. Adams
12th Floor, Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

In furtherance of the conversations we had here in the office regarding additional claims and geophysical work adjoining your present Gila Claim Group, the following suggestions and cost figures are submitted for your consideration.

Four to six additional claims to be staked, two or more of them lying northwesterly-southeasterly and adjoining the south side lines of Gila 13 and 14, to cover the anomaly as necessary and two lying northeasterly-southwesterly with their east side lines adjoining the west end lines of Gila 9, 10, 11, 12 and 13. At least two hand magnetometer lines to be run across the anomalous trend to the south. All claims to be properly monumented, staked, identified on the ground, location notices recorded and location pits dug. Additional claims put in and geophysical work done as warranted from results obtained from the first phase.

For surveying the claims we would use a four man crew, three surveying while the fourth built monuments, etc. Charges for this are $150.00 per day plus expenses of the men, vehicle charges, and direct cost of any material or supplies used exclusively on the job. Charges for a hand magnetometer crew are $150.00 per day and expenses. For both the above there are office completion of computations, maps, etc. which is charged at a rate of $80.00 per day. Holes for location requirements we can do or have done at an all inclusive cost of $150.00 per hole.

Below is a tabulated estimate of costs for the work as described above with supplemental contingency costs for additional work and claims. If you should decide to have us do the work we would appreciate a substantial advance deposit as, being a small organization, we cannot afford to carry overdue accounts for very many weeks.

Put in 6 claims: Surveying & building monuments, 4 men @ $150.00, 4 days	$600.00
Hand Mag.: Lines run west from and east to the river, about 4,000'-5,000' in length, on 100' stations. 3 man crew @ $150.00/day	450.00
Posts, vehicle charges, etc. for above survey and mag work	175.00
Living expenses: 3 men, 4 days surveying, 2 men, 3 days hand mag.	180.00
Office work, supplies, maps, etc. after completion--5 days @ $80.00/day ~~$425.00~~	425.00
Discovery holes for 6 claims @ $150.00/claim	900.00
	$2730.00

Cost of recording notices--$1.00 each.

Additional Hand mag. 7,000' and 3 more claims	$600.00
" vehicle & living for above	150.00
" holes for above	450.00
	$1200.00
Total estimated cost	$3930.00

If you plan to have us do assessment work for you this year it would be advantageous to both you and us to authorize us, as soon as possible, to do it at our convenience rather than wait until almost the last day as happened last year. This will enable us to schedule it at a time when we have no other pressing commitments and a more complete and efficient program can be accomplished.

Very truly yours,

HEINRICHS GEOEXPLORATION CO.

Walter E. Heinrichs, Jr.

WEH:jh

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

RECEIVED MAY 9 1960

May 6, 1960

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

This letter has to do only with Newmont as applied to Gila Copper. I will comment on your recent letters otherwise.

When in New York recently, I talked with Mr. Plato Malozemoff, President of Newmont Mining Corporation. As a result at their request we are making available to them certain data. You will note from the enclosed copy of letter to Mr. Searles the details thereon. You will doubtless be contacted by Mr. Livermore, I believe the week of the 16th, and you will note I have told Mr. Searles that in addition to the data on your geophysical survey a set of data will be sent on to you (next week), so that you will have it when Mr. Livermore may contact you.

They showed me in New York a considerable file they had on what they call the Mitchell-Ray; but in looking it over, Mr. Searles noted that they had done no detail work in our immediate area--between Barcelona and Walnut Creeks. They are evidently intrigued with the fact that we have located some magnetic data of interest in this area and they first want to see that.

I hadn't intended letting this information be shown to anybody until we had protected ourselves a bit further from a real estate standpoint; but inasmuch as they are trying to tie in Mr. Livermore coming to Tucson on this matter while he is presently in the West, I am making our general data available to them in advance of any definite business detailed understanding.

I figure that they will discuss your data with you after comparing it with their own. If they see something that interests them, they would doubtless want to go further and review all the data. If on the other hand they do not like the looks of what we concurrently added to their geophysical data, I would assume the matter would drop right there and you wouldn't have to turn over to them the file of general data which we will send you next week.

Under the real estate circumstances, in writing Mr. Malozemoff I included the following:

> "However, I think one thing I should mention, and that is in regard to the local real estate situation which should be very carefully approached after discussion between us if you wish to go further after looking

over the data and having conversations in Tucson. We are discussing with Mr. Heinrichs and Mr. Wilson certain additional staking. We would of course expect that there would be no conflict between us in this respect."

Very truly yours,

RMA:law (Enclosure)
cc: Mr. Robert M. Adams, Jr.
Mr. Eldred D. Wilson

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

May 6, 1960

Mr. Robert J. Searles
Newmont Mining Corporation
300 Park Avenue
New York, New York

Dear Mr. Searles:

Pursuant to your telephone call yesterday, I am mailing you herewith a copy of recent geophysical survey on the Gila Copper made by Heinrichs Geophysical Company. This you wanted to have checked over and compared with your own earlier geophysical work in the neighborhood.

We shall also arrange to send a set of other data to Mr. Heinrichs so that he will have it when Mr. Livermore contacts him the week of the 16th.

I am also writing Mr. Heinrichs and Mr. Wilson regarding Mr. Livermore contacting them.

Very truly yours,

RMA:law
Enclosure
cc: Mr. Plato Malozemoff
Mr. Walter E. Heinrichs, Jr.
Mr. Eldred D. Wilson

May 9, 1960

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

Your letter of 6 May 1960 and carbon copy of letter to R. J. Searles of same date have been received.

We will anticipate receipt of the data you mention you are sending to us and will await being contacted by Mr. Livermore.

Very truly yours,

Walter E. Heinrichs, Jr.

WEH:jh

cc: Dr. Eldred Wilson

July 12, 1960

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

Enclosed is the file of data on the Gila area, received from you previously, and which by your letter of 5 July 1960 you requested returned to you.

Also enclosed, per your letter, is another copy of the map of our survey of 1959 and a copy of the report. We would like this copy of the report returned to us for our files when you are through with it or have had it reproduced.

Hope something definite materializes with Tennessee--they have been good people in the past and desperately need more (new) reserves in Arizona

Very truly yours,

Walter E. Heinrichs, Jr.

WEH:jh

Encl: 13

COPY

ALL FEES ARE REQUIRED BY LAW TO BE PAID IN ADVANCE BEFORE INSTRUMENTS ARE PLACED ON RECORD

FLORENCE, ARIZONA Nov. 30 1959
at 2:30 p.m.

RECORDER'S OFFICE

PINAL COUNTY, ARIZONA

TO SOPHIE M. SMITH, RECORDER, DR

M Heinrichs Geoexploration Co.

PAID
E.A.
Deputy
PINAL COUNTY RECORDER
FLORENCE, ARIZONA

TO RECORDING INSTRUMENT AS FOLLOWS:

INSTRUMENT			FEES	
Aff. of Labor	Gila no 1 et al	By Walter E. Heinrichs, Jr.	3	25
		Adam's Gila Claim Group		
		Docket 247 pg	?	

SEE ABOVE FOR REASON THIS BILL IS SENT YOU

HEINRICHS GEOEXPLORATION COMPANY
MINERAL ENGINEERING CONSULTANTS AND CONTRACTORS
GEOPHYSICAL, GEOLOGICAL AND ECONOMIC APPRAISALS
TUCSON, ARIZONA

WALTER E. HEINRICHS, JR.
E. GROVER HEINRICHS

PHONE: MAIN 2-4202
806-808 WEST GRANT ROAD
MAIL: P. O. BOX 5671

November 10, 1959

STATEMENT

To: Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Robert M. Adams, Duluth , Minnesota. Magnetometer Geophysical, assessment work for 1959, Gila Claim Group, Mineral Creek Mining District, Pinal County, Arizona.

DATE	DESCRIPTION	TIME	CHARGES (non assessment or indirect)	CHARGES (Direct Assessment)
1959				
August				
18	J.W.M. picked up maps & data from A. M. Rugg	1 1/2 hrs	N.C.	
19	J.W.M., conference with V. H. Verity	1 1/2 hrs	N.C.	
24	W.E.H. review & study maps & data	5 hrs	N.C.	
25	W.E.H. study maps & data and conference with Dick Moore at Ariz. Bu. Mines	5 hrs.	N.C.	
31	E.G.H. & J.W.M., locate area, start mag work	1 day	N.C.	$100.00
September				
1	E.G.H. & J.W.M. mag work	1 day	N.C.	50.00
2	" " " " & C.L.F.	1 day		150.00
3	" " " " "	1 "		150.00
4	" " " " "	1 "		150.00
5	" " " " "	1/3 day	$50.00	
6	Sunday--off			
7	C. L. F. & W. K. M. Mag work	1 day		150.00
8	" " " "	1 "		150.00
9	Office computing, C. L. F.	1/2 day	25.00 (1/4 day) Chg.	
October				
2	H.B.J., Office computing & drafting	1/2 day	25.00	
5	H.B.J.,&J.W.M. computing & drafting	1 day		100.00
6	" " & W.E.H. Comp. & Draft.	1 day		100.00
7	" " " " " and report	1 day		100.00
November				
5	W.E.H. final report, comp. & draft.	1 day	N.C.	
6	M.J.H. typing 7 assembly, report & V.H.Verity conference on affidavit of performance of labor	1/2 day	N.C.	

AFFIDAVIT OF PERFORMANCE OF ANNUAL LABOR

STATE OF ARIZONA }
} ss.
COUNTY OF PIMA }

WALTER E. HEINRICHS, JR., being first duly sworn, deposes and says:

That he is a citizen of the United States and more than twenty-one years of age; he is a registered, professional mining engineer, No. 2447, in the State of Arizona, and he is personally acquainted with all of those certain unpatented mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, in secs. 25 and 36, T. 3 S., R. 12 E., and secs. 30 and 31, T. 3 S., R. 13 E., G.& S.R.M., the names of which and the books and pages of recording of the location notices are found in the office of the County Recorder of Pinal County as follows:

Name of Claim	Docket	Page
Gila No. 1	151	594
Gila No. 2	151	595
Gila No. 3	151	596
Gila No. 4	151	597
Gila No. 5	151	598
Gila No. 6	151	599
Gila No. 7	151	600
Gila No. 8	152	1
Gila No. 9	152	2
Gila No. 10	152	3
Gila No. 11	152	4
Gila No. 12	152	5
Gila No. 13	152	6

That the said mining claims are contiguous and constitute a single group and are owned by Robert M. Adams Company.

That the affiant is now, and has been since August 1959 employed as consulting mining and exploration engineer and geologist by Robert M. Adams Company, and that he is duly authorized to make this affidavit for and on behalf of the owner of the said property.

That between August 18, 1959 and September 8, 1959, at least Thirteen Hundred Dollars ($1300.00) worth of work, not including the location work on the claims, was done and performed upon one or more of the claims for the benefit of all the said claims in the group.

The work was performed by Heinrichs Geoexploration Company of Tucson, Arizona, at the request and expense of Robert M. Adams Company, as owner of said claims, for the purpose of complying with the laws of the United States pertaining to assessment or annual work for the assessment year ending September 1, 1959, at a cost in excess of $1300.00, and Walter E. Heinrichs,Jr., E. Grover Heinrichs, J. W. Marlatt, Charles L. Fair, and W. K. McLain, employees of Heinrichs Geoexploration Company, all of Tucson, Arizona, were the men who performed the said work, and that these personnel represent a total of approximately 40 years of training and/or experience as graduate geophysical engineers,

geologists and/or technicians, working under the direct supervision of affiant as president and general manager of Heinrichs Geoexploration Company.

The said work consisted of a Schmidt-type vertical intensity magnetometer geophysical reconnaissance on the ground, of the above-described unpatented lode mining claims by application of principles of the science of geophysics and geology for interpretation of geophysical and associated geological features as they relate to the search for mineral deposits, and a determination of the position of principal magnetic geophysical features in relation to the location and corner monuments of the said claims. Attached hereto and forming a part of this affidavit is a map of the above-described mining claims and the approximately 18,600' of magnetic traverses run.

The work originated at the Northeast corner of Gila No. 1 claim and extended across the group with some readings taken on each and every claim, as shown on the attached map.

The magnetic results revealed certain geo-magnetic trends and anomalism which eventually might warrant additional investigation by further geology, geophysics and drilling. One of the anomalies suggests a possible rock structure on the Gila No. 8 claim, containing an order of magnitude of about 25% magnetite at a depth of less than 1,000'. Other strong magnetic highs and lows on various portions of the claim group appear to be caused by basic dioritic or diabasic dikes and/or sills. Some geological-geophysical correlation with faulting and the volcanic rocks in the area is suspected, but was not definitely confirmed. No direct mineral or ore correlation was noted other than the possible relative magnetite content of the rocks.

Registered Professional Engineer (Mining) CERTIFICATE EXPIRES WALTER E. HEINRICHS, JR. DEC. 31, 1960 ARIZONA, U.S.A.

Walter E. Heinrichs, Jr., Registered Engineer

Subscribed and sworn to before me this 28 day of November 1959.

Notary Public

My commission expires: My Commission Expires Nov. 2, 1960

STATE OF ARIZONA, County of Pinal; No. 198353 } ss.

I do hereby certify that the within instrument was filed and recorded at request of Walter E. Heinrichs on NOV 30 1959 at 2:30 P.M., Docket DOCKET 247 PAGE 324 Page ..... Records of Pinal County, Arizona.

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

SOPHIE M. SMITH, County Recorder,

By Sophie M. Smith, Deputy

INDEXED COMPARED

DOCKET 247 PAGE 324

AFFIDAVIT OF PERFORMANCE OF ANNUAL LABOR

STATE OF ARIZONA

COUNTY OF PINAL

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Registered Professional Engineer (Mining) CERTIFICATE NO. WALTER E. HEINRICHS, JR. DEC. 31, 19[illegible] ARIZONA, U.S.A.

Walter E. Heinrichs, Jr., Registered Engineer

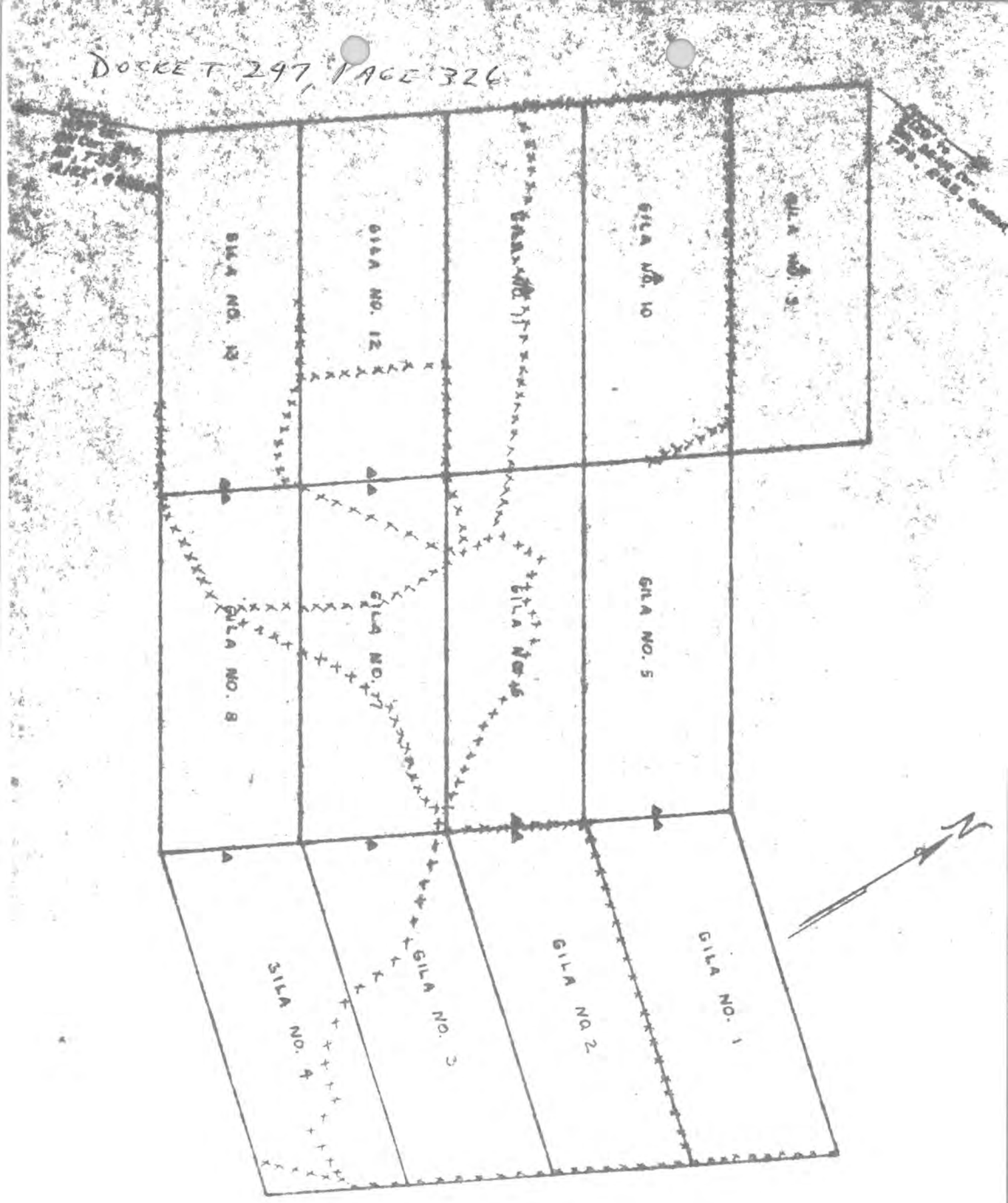
Subscribed and sworn to before me this 24 day of November 1959.

NOTARY PUBLIC PIMA COUNTY, ARIZ.

Notary Public

My commission expires: My Commission Expires Nov. 2, 1960

DOCKET 297, PAGE 326

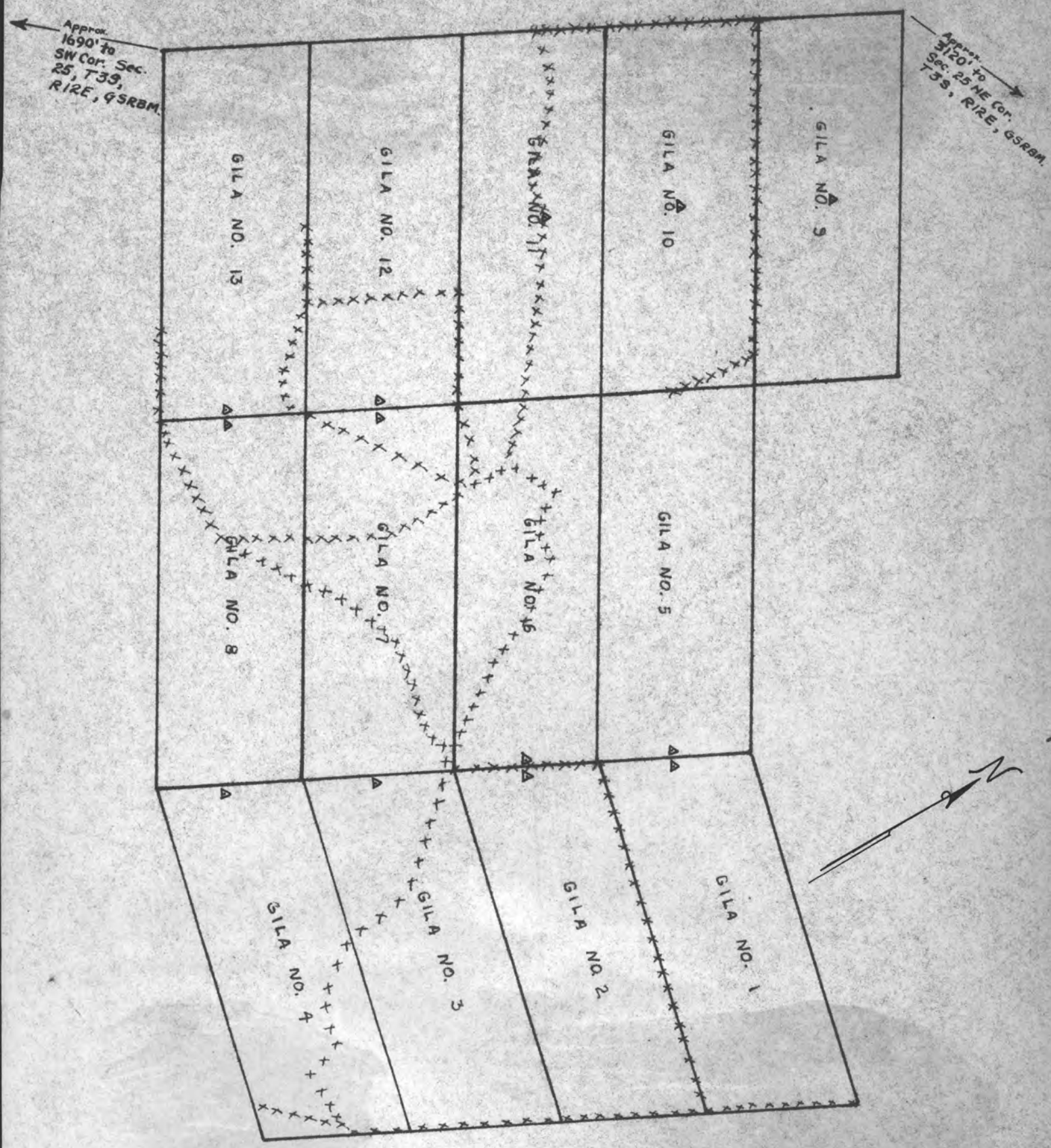


ROBERT M. ADAMS COMPANY
GILA CLAIM GROUP

MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
SEPTEMBER, 1959

SCALE 1" = 500'
XXXXXX indicates magnetic (vertical intensity) traverse route.
Δ indicates discovery monuments.

Registered Professional Engineer (Mining)
CERTIFICATE EXPIRES
WALTER E. HEINRICHS, JR.
DEC. 31, 1960
ARIZONA, U. S. A.



ROBERT M. ADAMS COMPANY
GILA CLAIM GROUP

MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
SEPTEMBER, 1959

SCALE 1" = 500'
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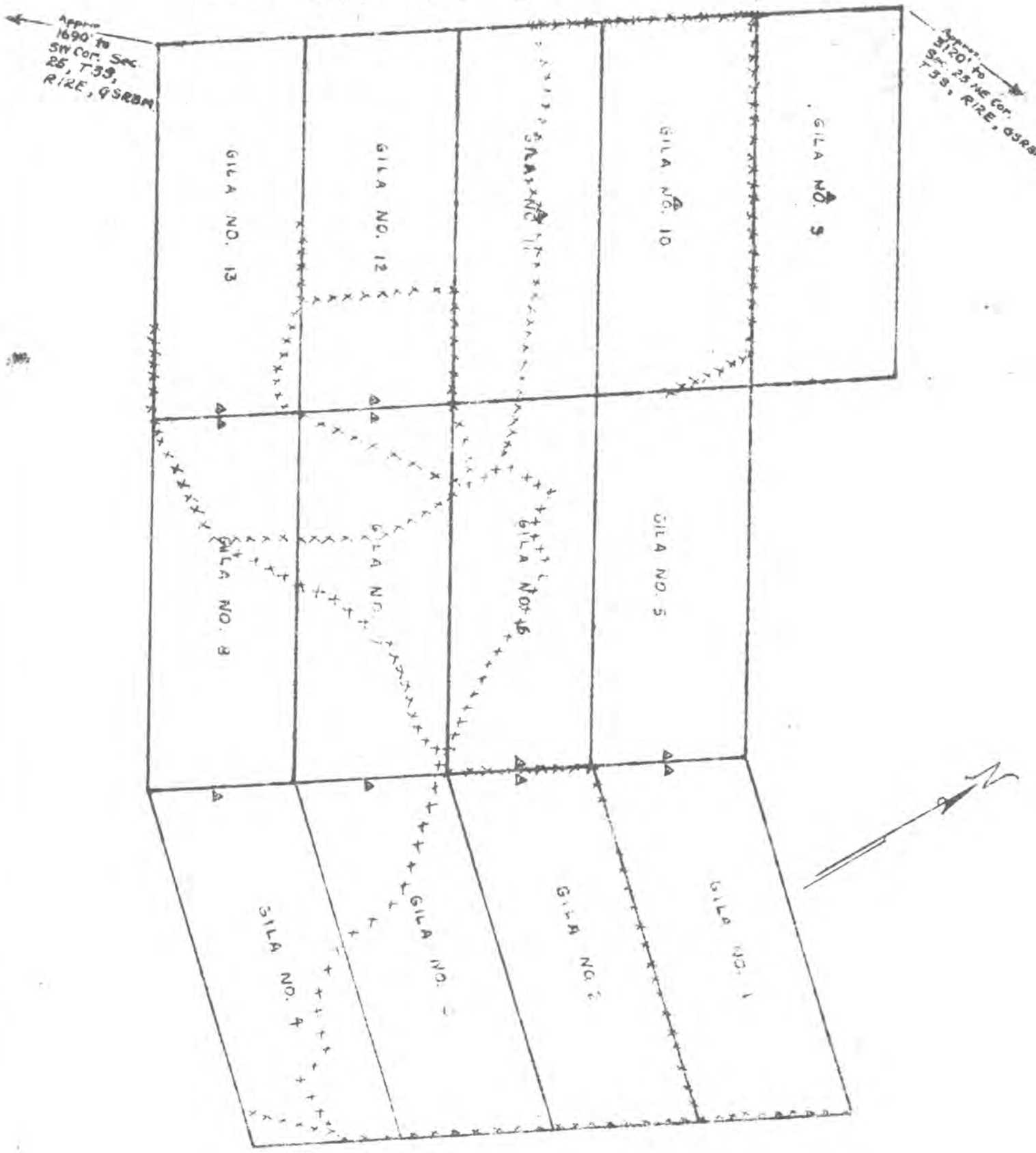
DOCKET 297 PAGE 326



ROBERT M. ADAMS COMPANY
GILA GLADIA GROUP

MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
SEPTEMBER, 19[illegible]

SCALE 1" = 500'
XXXXXX indicates magnetic (vertical intensity) traverse route.
Δ indicates discovery monuments.

Registered Professional Engineer (Mining)
CERTIFICATE EXPIRES
WALTER E. HEINRICHS, JR.
DEC. 31, 1960
ARIZONA, U.S.A.

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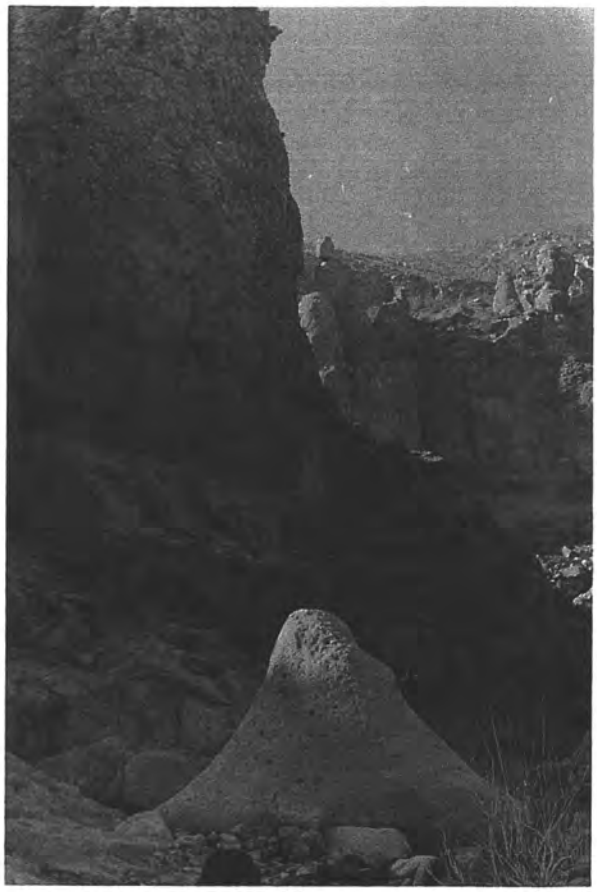
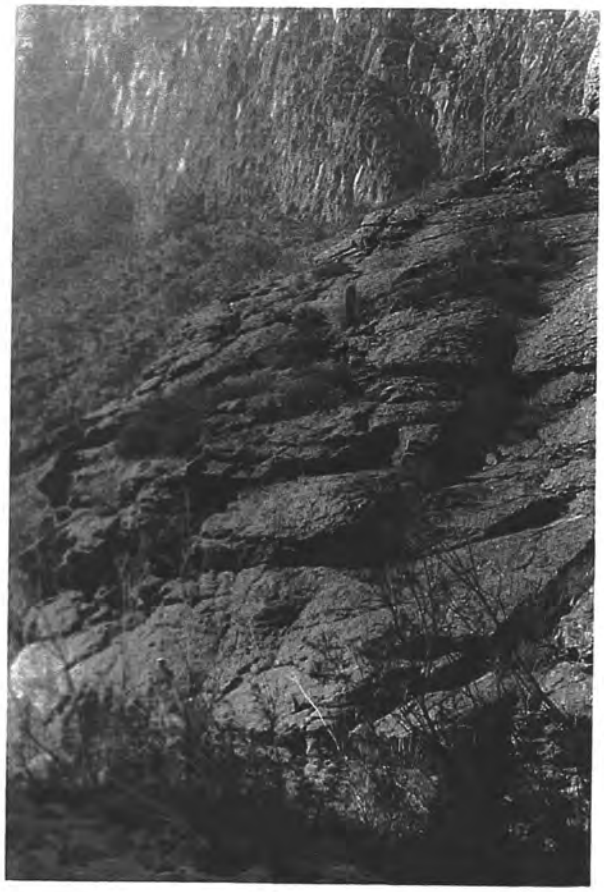
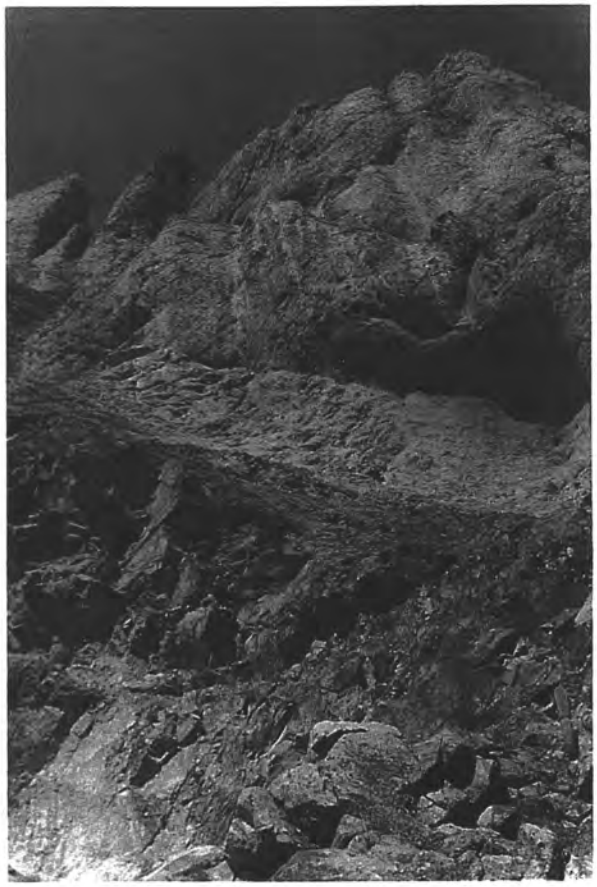






ROBERT M. ADAMS COMPANY
NEVADA
Duluth 2, Minnesota
FIDELITY BUILDING

SEP 1961
GEOEX

September 20, 1961

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

In regard to Gila Copper, in a recent phone conversation with your brother I asked if you people knew Fred Mitchell of Ray, and I understand you do. Therefore, I have a mission to suggest which will probably not result in anything but, nevertheless, I think it is worth the effort.

I got into the Gila Copper picture several years back, as you know; and in 1954-55 we had contact with Mitchell and with Barney Reynolds and Eldred Wilson and staked thirteen Gila claims.

Then followed contact with various and sundry companies--all negative. None of the company geologists with whom we had contact apparently agreed with Wilson's geological ideas, but each company had its own ideas, which ideas were never made known to me.

Many companies looked into the picture as we had it, from probably a very casual extent to quite a considerable extent in some cases. The answer was always the same. First, that they knew all about the entire area; second, that they had long had ideas of looking further therein; third (as stated), that they didn't check Eldred Wilson's geological conception of where the sulphide might lie; and, fourth, in every case they politely were not interested in what I had to offer.

In retrospect, it is a little interesting to think back to my contact with Cerro de Pasco and now learn that Cerro de Pasco has stepped in and drilled and acquired, I understand, the old Pioneer Area to the Southwest.

With Duval, they have been quite frank. I talked with them in March and later Howell advised me that they were seriously interested in the area; they might stake some territory and drill, and if the drilling were encouraging he indicated they would be getting immediately in touch with us on our area. Now we know that they have located land and have started to drill, and incidentally our new locations come up against theirs. Thus, we will assume that Duval <u>may</u> be interested in our area.

As to Kennecott, I first talked with them some years ago and the subject has been mentioned in various conversations since. I talked with their Tucson office by arrangement with New York when I was in Tucson last spring. They frankly said they were interested

in the area but the idea was that their appropriations for the present only went so far. However, would I object to their cruising over the land?--no.

In early July Mr. Pearce of this office met Mr. Bailly, President of Bear Creek at Salt Lake, by arrangement on another matter, and Bailly brought up the subject of the Gila Copper with Mr. Pearce and said, in effect, that he hoped it would still be available if he could get an exploration appropriation from his company. In that conversation he asked Mr. Pearce whether we had the Mitchell ground. Mr. Pearce not being familiar with this particular situation said he thought we did have--which we have not.

I have long been thinking of trying to get in direct touch with Mitchell. I think I only met him once in Vic Verity's office in 1954. You will note from the file of copies enclosed, the following:

1. A draft of option for lease drawn by Vic.

2. Letter of transmittal to me of May 12, 1954.

   At this point it is evident that a copy went to Mitchell and, as I remember it, the matter had to stand pat at the time because Mitchell, as explained to us, was trying to arrange with Moehlman of Walnut Canyon (his previous optionee) for some business arrangement between the two in case Mitchell was able with Moehlman's assistance to turn the property to somebody else. Mitchell apparently made his arrangements with Moehlman and turned over to us a lot of data from Moehlman of the Walnut Canyon work.

   This may explain why there appears to be nothing between May and September.

3. September 15, 1954 Mitchell writes Vic wanting some changes in the draft, otherwise approving it.

4. Next, on November 9, 1954 Vic jogs Mitchell. Whether anything had transpired during the two months the file doesn't show, but I think Vic was down in Mexico or otherwise engaged, and it may be that we slipped in the passage of time.

5. A redraft which is presumably the corrected draft by reason of changes which had been desired. Vic sends me this November 29, 1954.

6. December 30, 1954 Vic writes Mitchell further on this matter.

7. January 17, 1955 he jogs him.

8. January 29, 1955 Vic writes me that Mitchell in no uncertain terms calls the deal off.

9. When I was going to be in Tucson in the Spring of 1960 Vic again wrote Fred Mitchell--after the passage of five years--and Mitchell's wife advised that he had been ill and was resting somewhere; but, in any event, while I was in Tucson, as far as I know we never got any call back from the Mitchells--and there the matter stands at present.

Now, you may know more about Mitchell than I do, and what I have gathered may or may not be of any help whatever--you probably know more about it.

Mitchell with the Copper Butte and Barney Reynolds with the Jim Claims independently and concurrently optioned to Walnut Canyon; and when the end of the option period was approaching, Walnut Canyon asked for an extension. I believe Mitchell was willing to give it and Reynolds was not. In any event, there was hard feelings.

What the reasons were for Walnut Canyon dropping the properties we do not know, we could only surmise; but we do know that they tried to get their options extended. We surmise that they tried at the last minute to get other companies to go in with them. We were told by one company in particular they were asked to come in at that late date and given one week to decide. In any event, South American Development (Walnut Canyon) vanishes from the picture and, by previous agreement or otherwise, apparently turned over the entire picture of the original Mitchell claims and what they had staked in addition to Mitchell.

Mitchell in due course operated off and on in a small way on the oxide and trucked it and sent it to Hayden. Reed Welch of AS&R has told us all about that. Mitchell apparently made some good money, but not so many years ago when AS&R was again interested in some periodic shipments of a car a week, or whatever it was, Mitchell turned them down. The idea was if they wouldn't give him a firm contract, he didn't cooperate.

Barney Reynolds and Mitchell went their separate ways. We have dealt with Reynolds; we tried to deal with Mitchell, but something happened in 1954 in the latter part of the year to cause Mitchell to simply walk out of the negotiation--which had gone a considerable distance.

I also understand that Mrs. Purcell backed Mitchell in some drilling on a claim that he has right in the Town of Ray, which I

believe Kennecott has long wanted, and he won't deal with them. Whether Mrs. Purcell has anything to say about this claim in Ray or not, I have no idea; but I understand that when he had a chance to deal and wouldn't, she didn't like it a bit.

To sum it up, from all indications Mitchell is a very straightforward, definite person. If he doesn't want to deal with someone on some matter, he just won't deal. Whether he thought in 1954 we were too slow, I don't know; but note we had to wait about three months for him to clear the decks himself. Then in the last quarter of 1954 apparently things did not move rapidly enough. In any event, he slammed the door.

I don't see any point in trying to camouflage anything. Whether with Duval's drilling supplementing earlier drilling by Cerro, which followed by several years some earlier drilling to the Southwest by Kennecott, will combine to cause Mitchell to be still more disinclined to deal with anybody, I do not know.

As to Kennecott, I doubt very much if they could deal with Mitchell on Copper Butte should they decide to go back into the area. I simply surmise this from the fact that they cannot deal with him on his claim in Ray.

Whether Duval will approach him now or later, I do not know.

If Duval should, for instance, put a hole into something interesting, the whole area will be booming, and all the companies who have been sitting back and waiting on their own convenience will be falling all over each other.

Coming back to our position, I feel that now is the time to make an effort to meet Mitchell and see if he will be willing to talk an option for lease on Copper Butte after the passage of nearly seven years since we last discussed it. If he flatly refuses, then there is nothing lost; we at least know it. I thus suggest that you arrange to see him, and of course I can make no suggestions as to how you approach the matter. If the Mitchell ground can be secured on any reasonable option basis which would enable me to add it to the Jim-Gila ground, it would add very materially to the picture. Of course, Duval might draw a blank, throw in the sponge and quit; and then maybe all the other companies would lose interest--but, who knows?

Very truly yours,

Robert Mason

RMA:law
Enclosures

VICTOR H. VERITY
2207 East Waverly Street
Tucson, Arizona

May 12, 1954

Mr. Robert M. Adams,
12th Floor Fidelity Bldg.,
Duluth 2, Minnesota.

Dear Mr. Adams:

Re: COPPER BUTTE

Enclosed is a rough draft of a proposed agreement on Copper Butte. With various trips coming up I felt it advisable to prepare something when I had an opportunity so that time will be saved when it comes time to deal with Mr. Mitchell. Will you please study the draft and let me have your comments and suggestions. Copy is being mailed to Seton for the same purpose.

Very truly yours,

/s/ Vic

Victor H. Verity

copied:kd
10/29/54

OPTION AGREEMENT

for

LEASE WITH OPTION TO PURCHASE

MINING CLAIMS

1.

This agreement is made between CHARLES F. MITCHELL and RACHEL MITCHELL, husband and wife, of Ray, Arizona, hereinafter designated as Mitchell, and the ROBERT M. ADAMS COMPANY, a Nevada corporation authorized to do business in the State of Arizona, hereinafter designated as Adams.

2.

In consideration of the terms and provisions hereinafter contained, Mitchell does hereby grant an option to Adams for a lease with option to purchase covering the following described mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, the names of which and the books and pages of recording in the office of the County Recorder of Pinal County, Arizona, are as follows:

Patented Mining Claims

Name of Claim	Patent No.	Book	Page
(8 patented claims)			

Unpatented Mining Claims

Name of Claim	Book	Page
(30 (?) unpatented lode claims)		

3.

The term of this option shall be for a period of two (2) years from the date of execution of this agreement, during which time Adams shall have the right of access to all parts of the property herein described for the purpose of examination, sampling, drilling, and all other phases of work connected directly or indirectly with the examination, exploration, drilling

and development of a mining property. Adams shall have the right to remove samples of ore for assaying and metallurgical test work in such amounts as may be indicated by the type of assaying and testing to be done. Adams shall also have the right of transit over this property herein described for the purpose of reaching land in the vicinity of the mining claims herein described.

4.

Mitchell grants to Adams the first year of the life of this option as a period for the assembly and study of all available data concerning the Copper Butte mine and surrounding territory; for sampling, assaying and metallurgical testing; geological reconnaissance, mapping, engineering and all other matters related to or connected with the work involved in the study of the mine and the district. During this one (1) year period Adams must spend not less than Five Thousand Dollars ($5,000.00) on such work.

5.

During the second year of the life of this option Adams agrees to do not less than Twenty Thousand Dollars ($20,000.00) worth of exploration work which shall consist of drilling or rock excavation or both. The cost of such exploration for computing the minimum expenditure shall include geological reconnaissance, engineering, supervision, sampling, assaying, and all other expense reasonable connected with the performance

of exploration work.

-6-

At any time during the two year life of this option agreement, Adams may exercise its option to lease with option to purchase the herein described mining claims upon giving thirty (30) days written notice to Mitchell of its intention to do so, and upon expiration of the 30 day period, Adams shall have the exclusive right of possession to the said mining claims and to mine and remove ore therefrom and to ship and sell the same. All work shall be done in a miner-like fashion and in compliance with the applicable state and federal laws and regulations so that at all times the workings shall be kept in a safe and workable condition.

Upon giving 30 days notice as herein specified, Mitchell shall deliver to Adams an up-to-date abstract of title covering all of the patented and unpatented mining claims described in paragraph 2. In the event the title of Mitchell is not clear and free of all liens and encumbrances, then Adams shall not be obligated to make the payments described in Clause 7 until such time as Mitchell shall have cured the title defects.

7.

The total price of the mining claims described in paragraph 2 is Three Hundred Thousand Dollars ($300,000.00) payable as follows:

a) Upon exercising the option for a lease with option to

purchase, Adams shall pay Mitchell the sum of Ten Thousand Dollars ($10,000.00);

b) The sum of Ten Thousand Dollars ($10,000.00) one year after the date of the payment specified in a);

c) Twenty Thousand Dollars ($20,000.00) at the end of the second year after the payment described in a) and a payment of Twenty Thousand Dollars ($20,000.00) each year thereafter until the full purchase price has been paid.

Upon payment of the full purchase price of Three Hundred Thousand Dollars ($300,000.00), Mitchell shall execute a good and sufficient deed to Adams conveying the mining claims described herein free and clear of all liens and encumbrances.

8.

Adams shall pay Mitchell a royalty of five percent (5%) of net smelter returns on all ores or concentrates sold to a smelter and five percent (5%) of net mill returns on all ores sold to a concentrator. Royalty payments shall be credited against the next payment or payments due on the purchase price. By net smelter or mill returns is meant the net value shown on the smelter or mill liquidation sheet after deduction of treatment charges and railroad freight but no deduction shall be allowed for the cost of hauling ore from the mines to the railroad point of shipment.

The smelter or mill shall be instructed to remit directly

to Adams the royalty specified in Clause and shall send along with the remittance a copy of the liquidation sheet for each lot of ore or concentrate. A copy of the liquidation sheet shall be sent to Mitchell. Adams shall, on or before the day of each calendar month, remit to Mitchell the royalty due on payments received by Adams from the mill or smelter during the preceding calendar month.

9.

During the two year term of this option, unless sooner terminated by Adams's exercise of its optional right for a lease with option to purchase, Mitchell shall have the right to carry on all types of exploration, development, mining and removal of ore from the Copper Butte conglomerate orebody found in the Whitetail conglomerate and which mining operations are presently in progress on the June Bug No. 1 and Cochise patented mining claims. Mitchell shall have the right to remove and sell ores mined from said conglomerate orebody and to retain the full proceeds thereof.

Mitchell and Adams agree to cooperate in every respect concerning the use of roads and camp facilities in order to fully carry out the intentions of the parties hereto which are to examine, explore, and develop the herein described mining claims and at the same time to permit Mitchell to conduct mining operations on the mining claims herein designated. Mitchell assumes the obligation of maintaining the roads to the property

from the Ray - Superior highway during the time he conducts mining operations.

10.

Mitchell will pay all taxes assessed against the mining claims and property placed thereon for the first half of 1954 and prior thereto. Thereafter, Mitchell shall pay taxes if conducting mining operations, otherwise Adams shall pay all taxes. These shall be prorated between the parties according to the length of time mining operations may be conducted by Mitchell during a taxable period.

11.

Mitchell warrants that annual assessment work for the assessment year ending noon July 1, 1954 has been completed and he shall prepare and record An Affidavit of Labor Performed and Improvements Made covering all of the unpatented mining claims listed in paragraph 2. Thereafter, if the work done by Mitchell is not sufficient to meet the legal requirement for annual assessment work on the claims herein described in paragraph and in the event such assessment work is required by law, then Adams agrees to perform such additional work as may be necessary to meet the legal requirement of an average of One Hundred Dollars ($100.00) per claim, and shall prepare and record An Affidavit of Labor Performed and Improvements Made.

Provided, however, that if Adams shall withdraw from the

terms of this option agreement as hereinafter set forth and the effective date of termination is more that three (3) months prior to the end of an assessment year, then Adams shall not be required to perform the annual assessment work for that year.

12.

Any mining claims that may be located by either Mitchell or Adams contiguous to the mining claims herein described, shall form a part of and be included in this option agreement without further consideration.

13.

Mitchell shall be informed of the result of drilling on the claims herein described. If the option for a lease with option to purchase is not exercised or if exercised but subsequently surrendered, then Mitchell shall be furnished with copies of all exploration maps, assay data and drill logs as soon as practical after termination of this agreement.

14.

Adams shall protect Mitchell and the property herein described from any claims for damages arising from Adams's work at the property. Notices of non-liability shall be prepared and posted by Mitchell.

15.

Adams shall comply fully with the laws of Arizona relating to Workmen's Compensation insurance and employer's liability and shall save Mitchell harmless from any and all claims for

compensation or indemnity of every kind which may arise by reason of the obligations of Adams to its employees.

16.

Mitchell or his authorized representative shall have the right to enter upon said mining claims and mines at reasonable times for the purpose of inspection at their risk as well as to examine the books and records of Adams pertaining to the same, until such time as the full purchase price has been paid.

17.

Adams may withdraw from this option for a lease with option to purchase at any time upon giving thirty (30) days written notice to Mitchell, provided, however, that Adams has conplied with all the terms and payment set forth in this agreement required to be performed as of the date of termination. Adams may remove from the property within a reasonable time all buildings, machinery, supplies and equipment it may have placed thereon, including rail and pipe, but excepting timber and ladders in underground workings, which shall not be removed, whether in place at the time of taking possession of the property or installed thereafter by Adams. Upon termination of this agreement other than by purchase Adams shall execute and deliver to Mitchell a quit claim deed to all of the mining claims covered by the terms of this agreement.

18.

Should Adams fail, neglect or refuse to comply with any provision of this lease, then all its rights hereunder shall

cease and terminate and become forfeited upon expiration of thirty (30) days notice of such forfeiture sent by registered mail to Adams. Except in the payment of royalties, installments on purchase price, and taxes, bona fide unavoidable delays shall not be considered as a cause of forfeiture. In the event of termination or forfeiture Adams shall surrender possession of said property to Mitchell who shall retain all money paid to him as liquidated damages for breach of this option.

19.

For the purpose of receiving written notices specified in this agreement the parties hereto designate the following names and addresses:

Charles F. Mitchell
P. O. Box N
Ray, Arizona

Robert M. Adams Company
12th Floor Fidelity Building
Duluth 2, Minnesota

20.

This agreement is binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

Tucson, Arizona _____, 1954.

_____
Charles F. Mitchell

ROBERT M. ADAMS COMPANY

_____
Rachel Mitchell

By _____

STATE OF ARIZONA)
) ss.
COUNTY OF PIMA)

Before me _____ a notary public in and for the County of Pima, State of Arizona, on this day personally appeared Charles F. Mitchell and Rachel Mitchell, known to me to be the persons whose names are subscribed to the foregoing instrument and who acknowledged to me that they executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this ___ day of _____, 1954.

_____
Notary Public

My commission expires:

STATE OF MINNESOTA)
) ss.
COUNTY OF)

Before me_____ a notary public in and for the County of _____, State of Minnesota, on this day personally appeared_____, known to me to be the person whose name is subscribed to the foregoing instrument as_____ of the Robert M. Adams Company, and who acknowledged to me that he as such officer executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this ____ day of

_____, 1954.

_____
Notary Public

My commission expires:

C. F. MITCHELL
P.O. BOX N
RAY, ARIZONA

9/15/54

Mr. Victor H. Verity
2207 E. Waverly
Tucson, Arizona

Dear Mr. Verity:

After reading over the proposed Lease & Option you gave me the other day when I was in your office, I don't see much wrong with it, outside the royalty. I believe this should be changed some.

All the leases I have seen drawn up have a royalty of Smelter net 10%. On any milling ore - 5%.

However if Mr. Adams thinks this will all be low grade ore I would be willing to make a sliding scale royalty, as follows -

Smelter net of $10.00 or under	5%
Smelter net of $10.00 to $15.00	7-1/2%
Smelter net of $15.00 or over	10%
Any ore milled	5%

Smelter net means

Smelting charges
Rail Road freight
Trucking to R.R. Point. Deducted from gross value of ore at smelter.

I _____* mill would be mill net. Same as smelter net - Treating charges - R.R. freight and trucking deducted.

I hope this meets with Mr. Adams approval

Very truly yours,

C. F. Mitchell

*written word illegible

copied:kd

November 9, 1954

Mr. C. F. Mitchell
P. O. Box N
Ray, Arizona

Dear Mr. Mitchell:

I'll be out of town the rest of this week but will be back on the job Monday the 15th. If you are going to be in Tucson on that day or soon thereafter, will you please call at my office so I can discuss with you some phases of the Copper Butte deal.

Very truly yours,

Victor H. Verity

VHV:l
cc-R.M.A.
R.M.A.Jr.

5.

VICTOR H. VERITY
2207 East Waverly Street
Tucson, Arizona

November 29, 1954

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

Re: COPPER BUTTE

Enclosed is a suggested draft of a contract on Copper Butte. Am sending you an extra as you might find it useful in making changes to be returned to me. Copy of this letter and copy of the draft is going to Bob.

I think the draft represents what Mitchell will accept. However, I will not turn anything over to him until I have heard from you and received your comments and instructions. Mitchell would not agree to inclusion of legal title expense in the expenditure reuqirements during first and second years of the option. He says if the title has defects he would expect to stand all that expense himself and can see no reason for including it in the work requirement. He says that if $5,000 and $20,000 respectively during first and second year of life of option are not spent on work that will tend to bring out geology or develop the mine, he considers the expenditures inadequate.

Very truly yours,

/s/ Vic

Victor H. Verity

VHV:1
Enclosures
cc-R.M.A. Jr.

OPTION AGREEMENT

for

LEASE WITH OPTION TO PURCHASE

MINING CLAIMS

1.

This agreement is made between CHARLES F. MITCHELL and RACHEL MITCHELL, husband and wife, of Ray, Arizona, hereinafter designated as Mitchell, and the ROBERT M. ADAMS COMPANY, a Nevada corporation authorized to do business in the State of Arizona, hereinafter designated as Adams.

2.

In consideration of the terms and provisions hereinafter contained, Mitchell does hereby grant an option to Adams for a lease with option to purchase covering the following described mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, the names of which and the books and pages of recording in the office of the County Recorder of Pinal County, Arizona, are as follows:

Patented Mining Claims

Name of Claim	Mineral Survey No.	Deeds of Mines Book	Page
June Bug	2602	26	554
Cochise	2602	26	554
Copper Butte No. 1	2602	26	554
Copper Butte No. 2	2602	26	554
Copper Butte No. 3	2602	26	554
Copper Butte No. 4	2602	26	554
Copper Butte No. 5	2602	26	554
Copper Butte No. 6	2602	26	554

Unpatented Mining Claims

Name of Claim	Book	Page
June Bug No. 2	56 Mining Locations	10
Cochise No. 2	56 Mining Locations	9
Copper Butte No. 7	56 Mining Locations	155
(Amended)	19 Docket	9
Copper Butte No. 20	56 Mining Locations	164
Copper Butte No. 21	56 Mining Locations	165
Copper Butte No. 22	56 Mining Locations	165
Copper Butte No. 23	56 Mining Locations	166
Walnut Canyon No. 1	57 Records of Mines	420
Walnut Canyon No. 2	57 Records of Mines	420
Walnut Canyon No. 3	57 Records of Mines	407
(Amended)	6 Docket	92
Walnut Canyon No. 4	57 Records of Mines	407
Walnut Canyon No. 5	57 Records of Mines	408
Walnut Canyon No. 6	57 Records of Mines	408
(Amended)	6 Docket	94
Walnut Canyon No. 7	3 Docket	367
Walnut Canyon No. 8	3 Docket	369
Walnut Canyon No. 9	3 Docket	371
Walnut Canyon No. 10	57 Records of Mines	434
Walnut Canyon No. 11	57 Records of Mines	433
Walnut Canyon No. 12	57 Records of Mines	434
Walnut Canyon No. 13	6 Docket	394
Walnut Canyon No. 14	6 Docket	395
Walnut Canyon No. 15	6 Docket	396
Walnut Canyon No. 16	6 Docket	397
Walnut Canyon No. 17	7 Docket	398
Walnut Canyon No. 18	15 Docket	252
Walnut Canyon No. 19	15 Docket	253
Walnut Canyon No. 20	15 Docket	254
Walnut Canyon No. 21	15 Docket	255
Walnut Canyon No. 22	15 Docket	251
Walnut Canyon No. 23	15 Docket	371

3.

The term of this option shall be for a period of two (2) years from the date of execution of this agreement, during which time Adams shall have the right of access to all parts of the property herein described,for the purpose of examination, sampling, drilling, and all other phases of work connected directly or indirectly with the examination, exploration, drilling and development

of a mining property. Adams shall have the right to remove samples of ore for assaying and metallurgical test work in such amounts as may be indicated by the type of assaying and testing to be done. Adams shall also have the right of transit over this property herein described for the purpose of reaching land in the vicinity of the mining claims herein described.

4.

Mitchell grants to Adams the first year of the life of this option as a period for the assembly and study of all available data concerning the Copper Butte mine and surrounding territory; for sampling, assaying and metallurgical testing; geological reconnaissance, mapping, engineering, and all other matters related to or connected with the work involved in the study of the mine and the district. Adams may withdraw from this option agreement at any time during the one year period without further obligation than compliance with the provisions of Clause 19. However, as a condition for the granting of the second year of the two year term of the option, Adams must spend not less than Five Thousand Dollars ($5,000.00) during the first year of the life of this option agreement on the work specified in this clause.

5.

During the second year of the life of this option, Adams agrees to do not less than Twenty Thousand Dollars ($20,000.00) worth of exploration work which shall consist of drilling or rock excavation or both. The cost of such exploration for computing the minimum expenditure shall include geological reconnaissance, engineering, supervision, sampling, assaying, and all other expense reasonably

connected with the performance of exploration work.

It is understood and agreed, however, that Adams may withdraw from this option agreement at any time prior to the expenditure of the sum of Twenty Thousand Dollars ($20,000.00) without further obligation other than those set forth in Clause 19 of this option agreement.

6.

At any time during the two year life of this option agreement, Adams may exercise its option to lease with option to purchase the herein described mining claims upon giving thirty (30) days written notice to Mitchell of its intention to do so, and, upon expiration of the 30 day period, Adams shall have the exclusive right of possession to the said mining claims and to mine and remove ore therefrom and to ship and sell the same, except as otherwise provided in Clause 9 of this option agreement. All work shall be done in a miner-like fashion and in compliance with the applicable state and federal laws and regulations so that at all times the workings shall be kept in a safe and workable condition.

7.

The total price of the mining claims described in Clause 2 is Three Hundred Thousand Dollars ($300,000.00) payable as follows:

a) Upon exercising the option for a lease with option to purchase, Adams shall pay Mitchell the sum of Ten Thousand Dollars ($10,000.00);

b) The sum of Ten Thousand Dollars ($10,000.00) one year

after the date of the payment specified in a);

c) Twenty Thousand Dollars ($20,000.00) at the end of the second year after the payment described in a), and a payment of Twenty Thousand Dollars ($20,000.00) each year thereafter until the full purchase price has been paid.

8.

Upon the signing of this option agreement, Mitchell shall order an up-to-date abstract of title and shall deliver the same to Adams within a reasonable time thereafter. This abstract of title shall cover all of the patented and unpatented mining claims described in Clause 2 of this agreement. Also at the time of executing this option agreement, Mitchell shall place in escrow with the Valley National Bank, Tucson, Arizona, or such other escrow agent as may be agreed upon between Mitchell and Adams, a good and sufficient deed to Adams conveying the mining claims described herein free and clear of all liens and encumbrances. This deed shall be accompanied by a letter of instruction to the bank authorizing the delivery of the said deed to Adams upon completion of the payments specified in Clause 7. Adams shall execute and place in escrow a quit-claim deed to Mitchell with instructions to the escrow agent to deliver the same to Mitchell in the event of Adams's withdrawal from or failure to comply with the terms of this option agreement.

It is understood and agreed that in the event the title of Mitchell shall be found defective or encumbered by liens or other encumbrances, the periods of time specified in this option

agreement shall be extended for the length of time required to complete such steps as may be necessary, to enable Mitchell to convey to Adams all of the herein described mining claims free and clear of all liens and encumbrances.

In the event the title of Mitchell is not clear and free of all liens and encumbrances, then Adams shall not be obligated to make the payments described in Clause 7 until such time as Mitchell shall have cured the title defects.

9.

Adams shall pay Mitchell a royalty of five percent (5%) of net smelter returns on concentrates produced from ore milled, and shall pay a royalty on net smelter returns on direct shipping ore as follows: Net smelter returns of Ten Dollars ($10.00) or less, five percent (5%); net smelter returns of Ten Dollars ($10.00) to Fifteen Dollars ($15.00) seven and one-half percent (7-1/2%); net smelter returns of Fifteen Dollars ($15.00) or over, ten percent (10%). By net smelter returns is meant the net value shown on the smelter liquidation sheet after deduction of treatment charges, railroad freight and trucking from the mine or mill to the railroad point of shipment.

The smelter shall be instructed by Adams to remit directly to Mitchell the royalty specified herein, with a copy of the liquidation sheet for each lot of ore or concentrate.

Royalty payments shall be credited against the next payment or payments due on the purchase price, provided Adams shall have exercised the optional right to purchase the herein described mining

claims. Prior to exercise of the option, royalty payments shall be paid to Mitchell but shall not apply on the purchase price.

10.

During the two year term of this option, Mitchell shall have the right to carry on all types of exploration, development, mining and removal of ore from the Copper Butte conglomerate orebody found in the Whitetail conglomerate, on the June Bug No. 1 and Cochise patented mining claims. Mitchell shall have the right to remove and sell ores mined from said conglomerate orebody and to retain the full proceeds thereof. And this right shall continue for the full two year term notwithstanding the fact that Adams may, during the said two year term, exercise the optional right to purchase the said claims as specified in Clause 6.

Adams shall have the right at all times to remove and sell ores mined from all other mining claims herein described, subject to payment of the royalties as set forth in Clause 9 to Mitchell. It is further understood, however, that in the event Mitchell does not mine from the June Bug No. 1 and Cochise claims that Adams shall have the exclusive right to conduct mining operations thereon and remove and sell ores mined therefrom and to retain the full proceeds thereof subject to payment of royalty in accordance with Clause 9,to Mitchell.

11.

Notwithstanding the right retained by Mitchell to conduct mining operations on the June Bug No. 1 and Cochise mining claims, nevertheless Adams shall have the right to explore and develop

everywhere on the mining claims described in Clause 2.

Mitchell and Adams agree to cooperate in every respect concerning the use of roads and camp facilities in order to fully carry out the intentions of the parties hereto, which are to examine, explore, and develop the herein described mining claims and at the same time to permit Mitchell to conduct mining operations on the June Bug No. 1 and Cochise mining claims. Mitchell assumes the obligation of maintaining the roads to the property from the Ray-Superior highway during the time he conducts mining operations.

12.

Taxes which may be assessed against the mining claims shall be prorated in accordance with the time Adams is in possession, except that in the event Mitchell conducts mining operations he agrees to pay the taxes on all the mining claims and property which may be placed thereon, prorated for the time he conducts such operations.

13.

Mitchell warrants that annual assessment work for the assessment year ending noon July 1, 1954 has been completed and that he has recorded An Affidavit of Performance of Annual Work covering all of the unpatented mining claims listed in Clause 2. Thereafter, if the work done by Mitchell is not sufficient to meet the legal requirement for annual assessment work on the claims described in Clause 2, and in the event such assessment work is required by law, then Adams agrees to perform such additional work as may be necessary to meet the legal requirement of an average of One Hundred Dollars ($100.00) per claim, and shall prepare and record

An Affidavit of Performance of Annual Work.

Provided, however, that if Adams shall withdraw from the terms of this option agreement as hereinafter set forth and the effective date of termination is more than three (3) months prior to the end of an assessment year, then Adams shall not be required to perform the annual assessment work for that year.

14.

Any mining claims that may be located by either Mitchell or Adams contiguous to the mining claims herein described, shall form a part of and be included in this option agreement without further consideration.

15.

Mitchell shall be informed of the result of drilling on the claims herein described. If the option for a lease with option to purchase is not exercised or if exercised but subsequently surrendered, then Mitchell shall be furnished with copies of all exploration maps, assay data and drill logs as soon as practical after termination of this agreement.

16.

Adams shall protect Mitchell and the property herein described from any claims for damages arising from Adams's work at the property. Notices of non-liability shall be prepared and posted by Mitchell.

17.

Adams shall comply fully with the laws of Arizona relating to Workmen's Compensation insurance and employer's liability and

shall save Mitchell harmless from any and all claims for compensation or indemnity of every kind which may arise by reason of the obligations of Adams to its employees.

18.

Mitchell or his authorized representative shall have the right to enter upon said mining claims and mines at reasonable times for the purpose of inspection at their risk as well as to examine the books and records of Adams pertaining to the same, until such time as the full purchase price has been paid.

19.

Adams may withdraw from this option for a lease with option to purchase at any time upon giving thirty (30) days written notice to Mitchell, provided, however, that Adams has complied with all the terms and payments set forth in this agreement required to be performed as of the date of termination. Adams may remove from the property within a reasonable time all buildings, machinery, supplies and equipment it may have placed thereon, including rail and pipe, but excepting timber and ladders in underground workings, which shall not be removed, whether in place at the time of taking possession of the property or installed thereafter by Adams.

20.

Should Adams fail, neglect or refuse to comply with any provision of this lease, then all its rights hereunder shall cease and terminate and become forfeited upon expiration of thirty (30) days notice of such forfeiture sent by registered mail to Adams. Except in the payment of royalties, installments on purchase price, and taxes, bona fide unavoidable delays shall not be considered as

a cause of forfeiture. In the event of termination or forfeiture Adams shall surrender possession of said property to Mitchell who shall retain all money paid to him as liquidated damages for breach of this option.

21.

For the purpose of receiving written notices specified in this agreement the parties hereto designate the following names and addresses:

Charles F. Mitchell
P. O. Box N
Ray, Arizona

Robert M. Adams Company
12th Floor Fidelity Building
Duluth 2, Minnesota

22.

This agreement is binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

Tucson, Arizona. _____, 1954.

_____
Charles F. Mitchell

ROBERT M. ADAMS COMPANY

_____
Rachel Mitchell

By_____

STATE OF ARIZONA)
) ss.
COUNTY OF PIMA)

Before me _____ a notary public in and for the County of Pima, State of Arizona, on this day personally appeared Charles F. Mitchell and Rachel Mitchell, known to me to be the persons whose names are subscribed to the foregoing instrument

and who acknowledged to me that they executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this ___ day of _____, 1954.

_____
Notary Public

My Commission Expires:

STATE OF MINNESOTA)
) ss.
COUNTY OF)

Before me _____ a notary public in and for the County of _____, State of Minnesota, on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument as _____ of the Robert M. Adams Company, and who acknowledged to me that he as such officer executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this ___ day of _____, 1954.

_____
Notary Public

My Commission Expires:

VICTOR H. VERITY
2207 East Waverly Street
Tucson, Arizona

December 30, 1954

Mr. C. F. Mitchell
P.O. Box N
Ray, Arizona

Dear Mr. Mitchell:

In accordance with your request during our phone conversation yeaterday, I set forth the changes and clarifications which Mr. Adams has suggested in the proposed Option Agreement.

Should more than $5,000.00 be spent during the first year as a condition for the second year of the term of the option, will the excess over $5,000.00 be applicable on the requirement that not less than $20,000.00 be spent during the second year?

As the draft is now written, it is provided that mining claims located either by Mitchell or Adams contiguous to the present mining claims at Copper Butte shall form a part of and be included in the option agreement. Mr. Adams has brought up this question: Suppose that geological and other exploration work discloses that a large block of ground should be located which is not related to Copper Butte and might conceivably amount to something and Copper Butte be relinquished. Would you consider that such claims still be considered a part of the Copper Butte and deeded to you, or kept by Adams?

You have already answered his question about drill core - namely that it belongs to you, not to South American Development Company.

If you will let me hear from you by return mail, I will forward your comments to Mr. Adams by air mail and request that he wire or phone me so that we may do whatever is necessary to prepare a final agreement and send to you for your signature.

I hope the new year will be a very happy and prosperous one for you and your family.

Very truly yours,

cc-R.M.A.
R.M.A.Jr.

Victor H. Verity

P.S. On copies only: Mr Mitchell told me on the phone yesterday that he has some other party interested in Copper Butte and is undecided what to do. VHV

7

January 17, 1955

Mr. C. F. Mitchell
P. O. Box N
Ray, Arizona

Dear Mr. Mitchell:

I am leaving Tucson this evening on a short business trip, returning late Friday the 21st. Is there anything I can do at that time in regard to the Copper Butte matter?

Very truly yours,

Victor H. Verity

cc: Mr. Robert M. Adams
Mr. Robert M. Adams, Jr.

VHV:asv

VICTOR H. VERITY
2207 East Waverly Street
Tucson, Arizona

January 29, 1955

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

Re: COPPER BUTTE

I talked with Mr. Mitchell by phone yesterday. He will not consider further dealings. His conversation was short and to the point. He was not unfriendly but didn't waste words. He said that you wanted two years under the option and one year had gone by without a contract so he was calling off the negotiations. I explained that I was certain we could come to an agreement one way or the other in a matter of days if he was willing to discuss the matter with me, but he refused. Mr. Mitchell asked that his data be returned. If you will send it to me, I will arrange for him to pick it up and have him sign a receipt.

If you have any idea of keeping this property in mind, let me know and when Mitchell comes in for his data I will sound him out and see what frame of mind he is in.

Very truly yours,

/s/ Vic

Victor H. Verity

VHV:l
cc-R.M.A. Jr.

VICTOR H. VERITY
ATTORNEY AT LAW
2207 EAST WAVERLY STREET
TUCSON, ARIZONA

March 7, 1960

Mr. Charles F. Mitchell
P.O. Box N
Ray, Arizona

Dear Fred:

I had a phone call from Mr. Adams a few days ago. He is going to be in Tucson the last half of March and among other things wishes to discuss with all concerned the Copper Butte area. He would like to talk with you about the Copper Butte mine. Although he will arrive in Tucson late the 15th, I am leaving town on the morning of the 18th. That only gives me the 16th and 17th to be with him in Tucson.

Will it be possible for you to talk with us in Tucson on either of these two days, preferably the 16th? I will appreciate the favor very much if you will write or phone me so that I can make plans accordingly.

Sincerely,

/s/ Victor H. Verity

cc-RMA

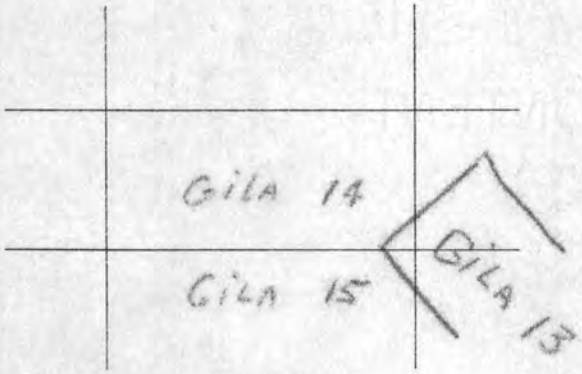
Docket 305, Page 254
Recorded Oct 5, 1961 – 8 a.m.
County of Pinal, Arizona

Notice of Location
(LODE)

#232664

NOTICE IS HEREBY GIVEN that the GILA 14 lode mining claim was located by ROBERT M. ADAMS CO. on SEPT. 13, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N.E. – S.W. and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 705 feet in a NORTHEASTERLY direction to the NORTH center end monument or stake and 795 feet in a SOUTHWESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN THE SOUTHWEST PART OF SEC. 25 T3S, R12E AND LAYS ACROSS WALNUT CANYON.



FOR
ROBERT M. ADAMS CO.
Locator
By John W. Marlatt, Agent

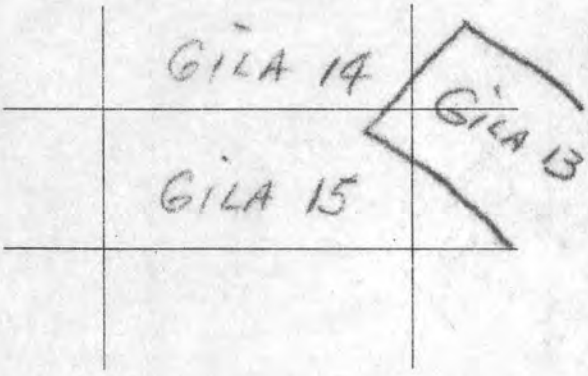
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Docket 305, Page 255
Recorded: Oct 5, 1961 - 8 a.m.
County of Pinal, Arizona
232665

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA 15 lode mining claim was located by ROBERT M. ADAMS CO. on SEPT. 13, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N.E. — S.W. and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 705 feet in a NORTHEASTERLY direction to the NORTH center end monument or stake and 795 feet in a SOUTHWESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN THE SOUTHWEST PART OF SEC. 25 T3S, R12E AND LAYS ACROSS WALNUT CANYON



FOR
ROBERT M. ADAMS CO.
Locator
BY John W. Marlatt, agent

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Docket 305, Page 256
Recorded: Oct 5, 1961 - 8 a.m.
County of Pinal, Arizona
#232666

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA 16 lode mining claim was located by ROBERT M. ADAMS CO. on SEPT. 15, 19 61
This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N.E. — S.W. and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 10 feet in a NORTHEASTERLY direction to the NORTH center end monument or stake and 1490 feet in a SOUTHWESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 26 T3S R12E AND LAYS WEST OF WALNUT CANYON CREEK.

GILA 18	GILA 16	GILA 19
GILA 19	GILA 17	GILA 15

FOR
ROBERT M. ADAMS CO.
Locator
By John W. Marlatt, agent

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Docket 305, Page 257
Recorded Oct 5, 1961 8.9.m,
County of Pinal, Arizona

#232667

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA 17 lode mining claim was located by ROBERT M. ADAMS CO. on SEPT. 15, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N.E.-S.W. and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a NORTHEASTERLY direction to the NORTH center end monument or stake and 1450 feet in a SOUTHWESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SECTIONS 26 AND 35 T3S R12E
JUST WEST OF WALNUT CANYON CREEK.

GILA 18	GILA 16	GILA 14
GILA 19	GILA 17	GILA 15

FOR
ROBERT M. ADAMS CO.
Locator
By John W. Marlett, agent

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Docket 305, Page 258
Recorded Oct 5, 1961 - 8 a.m.
County of Pinal, Arizona
#232668

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA 18 lode mining claim was located by ROBERT M. ADAMS CO. on SEPT. 15, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N.E - S.W. and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 10 feet in a NORTHEASTERLY direction to the NORTH center end monument or stake and 1490 feet in a SOUTHEASTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 35 T35 R12E AND LAYS WEST OF WALNUT CANYON

GILA 20	GILA 18	GILA 16
GILA 21	GILA 19	GILA 17

FOR
ROBERT M. ADAMS CO.
Locator
By John W. Mallatt, agent

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Docket 305, Page 259
Recorded Oct 5, 1961 - 8 a.m.
County of Pinal, Arizona

232669

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the Gila - 19 lode mining claim was located by Robert M. Adams Co on Sept 15, 19 61. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is Northeast Southwest and is situated in the Mineral Creek Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 10 feet in a Northeasterly direction to the North center end monument or stake and 1410 feet in a Southwesterly direction from the location monument or stake to the South center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is located in Sec 26 & 35, T 3S R 2E G & S R & M & lies west of Walnut Canyon.

Gila 20	Gila 18	Gila 16
Gila 21	Gila - 19	Gila 17

For
Robert M. Adams Co.
Locator
By John W. Marlatt (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

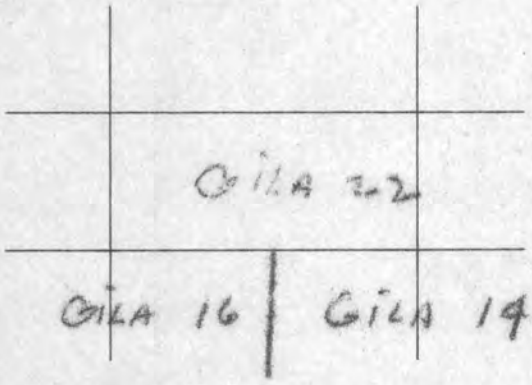
Docket 305, Page 260
Recorded Oct 5, 1961, 8 a.m.
County of Pinal, Arizona

#232670

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA 22 lode mining claim was located by ROBERT M. ADAMS CO. on SEPT. 21, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N.E. – S.W. and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 15 feet in a NORTHEASTERLY direction to the NORTH center end monument or stake and 1485 feet in a SOUTHWESTERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 26 T 33 R 12 E AND JUST WEST OF WALNUT CREEK



FOR
ROBERT M. ADAMS CO.
Locator
By John W. Marlatt, agent

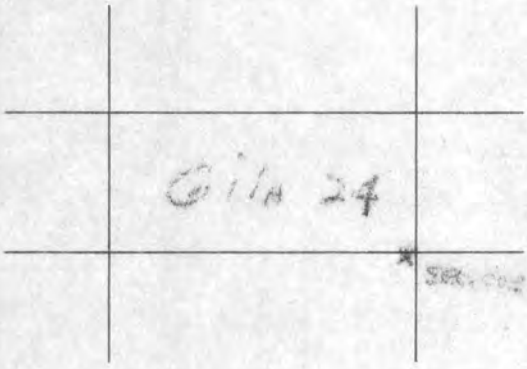
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Docket 305, Page 261
Recorded Oct 5, 1961 - 8 a.m.
County of Pinal, Arizona
232671

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA 24 lode mining claim was located by ROBERT M. ADAMS CO. on SEPT. 20, 1961. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is NORTH - SOUTH and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 700 feet in a NORTHERLY direction to the NORTH center end monument or stake and 800 feet in a SOUTHERLY direction from the location monument or stake to the SOUTH center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

LOCATED IN SEC. 35 T3S R12E AT WALNUT CREEK. THE NORTHEAST CORNER OF the claim is at the section corner MARKER.



FOR
ROBERT M. ADAMS CO
Locator
By John W. Moffatt, agent

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

November 20, 1961

NOV 1961
GEOEX

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

For your information, note the enclosed copy of letter to Duval.

I have been away considerably and have data to go over regarding both Fortuna and Gila properties, which I will get digested before leaving for Mexico on December 3.

I don't need ten days in Tucson from a business standpoint, but Mrs. Adams is going to join me there and we will spend the time between arrival on the 9th to departure for San Francisco on the 20th at Christopher Square; and, aside from whatever business I may have to attend to, will do a little relaxing.

This will give us an opportunity to thoroughly discuss these two properties from all current angles. Meanwhile, I hope you will have had an opportunity to sound out friend Mitchell.

Please advise Grover that I will be studying over meanwhile various material received from him.

Very truly yours,

RMA:law
Enclosure

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

November 20, 1961

NOV 1961
GEOEX

Mr. Fred Howell
Duval Sulphur & Potash Company
P. O. Box 11277
Tucson 2, Arizona

Dear Mr. Howell:

Pursuant to our conversations when I was in Tucson last March, I am leaving in less then two weeks for Mexico and expect to come up to Tucson from Mexico arriving Saturday the 9th of December, and being there for about ten days. If you are to be there at that time, I hope to have an opportunity of a visit with you.

Meanwhile, you have had a file of data on what we call Gila Copper. You sent us back one map at my request last summer. I presume by the time I am in Tucson you could have copied any of it that might be of interest to you and I could have the file back again, as it includes some material of which I have no copies.

Very truly yours,

/s/ Robert M. Adams

RMA:law
(cc: Mr. Walter E. Heinrichs, Jr.)

OCT 1961
GEOEX

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

October 9, 1961

Mr. E. Grover Heinrichs
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

Acknowledging your letter of the 4th with the report on the recent assessment work on the Fortuna, which I have gone over with interest. Here are some comments. Please correct me where I may have misinterpreted the situation.

A. You apparently think the magnetic intensity zone of 1000 feet by 500 feet is of interest as you cite--"over the mineralized workings indicates that the possibility exists of a metamorphosed zone of some importance."

B. You cite that any further geophysics should include making that magnetic high further south.

C. In reference to induce polarization--"An induced polarization survey would then be useful and a worthwhile method to directly determine the existence of sulphide concentrations." I believe I am correct then that one of the geologists from one of the large companies with whom I was talking in New York last spring about geophysics in hunting for disseminated copper referred to the fact that this was the best method for that particular purpose?

D. As to re-grouping the present four claims so as to re-shape them to best advantage, will you please give me just a little pencil sketch indicating how you would turn them around and re-group them to cover this area of magnetic intensity to which you refer, and in which plan we would also aim to have the four claims corner on the mineral showings already developed? The point of this would be so that the Bureau of Land Management people couldn't claim that we didn't have mineral on each of the four claims. I gather you would run these in a block generally northeast-southwest.

E. As to the magnetometer surveys corresponding with the geochemical survey of 1960, you cite--"This same zone shows a weak correlation with the copper concentrations on the geochemical survey we conducted last year." In other words, not a very positive correlation but at least they both pointed to the same general area?

F. I gather that what I call "the fault" or break on the north side of Ragged Mountain is approximately 1600 feet northeasterly from the north edge of Fortuna 7 and Fortuna 9. Monzonite appears north of the fault and south of the fault is quartz-latite-porphyry. The monzonite zone from 22 North to 36 North "appears to have a slightly higher magnetic susceptibility." Now, as applied to this area on the north side of the mountain, though the magnetics did not show anything but a slightly higher intensity, that fault could still provide some "plumbing", could it not?--if there were anything below.

G. Referring to Section 6 North you state, "Further work would better close the trend to the Northeast."

Last year we did geochemical work and assayed all of the samples for copper, some for zinc and none for lead. I don't know at this time that it is necessary to run any more?

We have done two consecutive years of geophysical work on Fortuna so that next year we would have to do something different--just as in the case of the Gila we had done two years' of geophysics so this year we had to do some bulldozing which, I gather, was money necessarily expended but nevertheless thrown away on account of the fact that the roads all washed out? (only in part)

I infer that our next step should be to amend the claims as discussed and then sound out the Bureau of Land Management people as to whether we have enough of the mineral showing to justify patenting. That was something which I had discussed with Mr. D'Antonio, but as we don't seem to obtain any acknowledgement of letters from him, when we get around to it couldn't you people explain the general mineralization as already shown to the Land Management office and get a pretty good impression whether or not proceeding to patent would have their cooperation or opposition?

Very truly yours,

Robert M. Adams
RMA

RMA:law

ROBERT M. ADAMS COMPANY
NEVADA
Duluth 2, Minnesota
FIDELITY BUILDING

GEOEX JUL 1961

July 19, 1961

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

Pursuant to our telephone conversation of Monday the 17th re Gila Copper--

I asked you to call up Mr. Lawrence D'Antonio and inquire as to what progress he had made on checking the records at Florence as per conversations with him in Tucson in March and as covered in my letters to him since. For your information, enclosed find a copy of my letter to him of June 9. This letter of June 9 I think pretty well summarizes the information we desired from the Florence records.

I assume by this time Mr. D'Antonio has moved to have someone check the records at Florence for the type of information we need as to this locality.

You will also note copy of wire which I sent to him on July 6 --as yet, no acknowledgement of either letter or wire.

Now, as to the field, enclosed find:

A. Copy of our claim map showing the location of the Jim claims and the Gila claims.

B. Plan map of the American Metal geological survey of 1957.

C. A photostat of American Metal cross section B-P-A[1].

Mr. Howell of Duval Sulphur has indicated that they have staked or are staking some ground to the southwest, that they propose drilling, and if they do they will want our ground; because, whatever is their geological theory, they apparently think what may lie to the southwest would continue up the strike to the Copper Butte Area.

Reference is made to Cerro de Pasco having the former Pioneer ground which lies quite away to the southwest, and how far up the strike towards our territory Cerro may have acquired ground, we do not know.

As to where Duval may have located ground, we do not know, but I would guess adjoining Cerro and extending northeasterly. Thus, how far Duval may reach towards our area, we do not know.

With both of these items indefinite, we do not know what vacant ground there may be between the southwest extremity of the present Gila claims and the nearest location, say, of Duval.

Now, let's refer to item C, being the cross section of American Metal which, you see, runs down the assumed strike between Copper Butte and the Pioneer. You will note that we have roughly marked on this base line where "Reynolds Claims" would extend southwest from the Purcell drill hole.

We have marked where "Adams Claims" would continue southwest.

Then we have laid out 5 in. or 6000 ft. further southwest bridging what is shown on the cross section as "Open Area of Interest", "Churn Drill Holes by Bear Creek Mg Co.", "Open", "Small porphry outcrop", and partway across "Color Anomaly" to between the letters L and Y.

Note that in 1957 the furthest southwest portion of what we have marked off is in the area entitled "Reclamation Withdrawal" (Open North of Section).

How, how much of this area may still be open, we want to know.

Though I admit laying out a block of claims 6000 ft. long and 1200 ft. wide cut down the middle by the base line doesn't begin to cover all of the possible area, it would be a decided step in the right direction and would stretch out the Gila and Jim claims for a total northeast-southwest distance of over two miles.

Note also that on the American Metal cross section as we go southwest we get beyond the more pronounced depth of the overlying rocks and are getting much closer to the possible location of the Pinal schist.

Note also that they indicate for a considerable stretch copper -iron mineralization as you go southwest.

I have a hunch that Duval would figure upon an area involving several sections whether it were all available or not. But, again, I have the idea that in figuring on the possibility of locating additional ground I would rather stretch it out down the possible strike with eight claims laid out, four in a row and two wide, than, say, you reverse it, or to make it much wider and not go so far southwest. I admit this is a mixture of conserving money, lacking more definite geology and real estate hunch.

We have a big substantial block in the Jim claims and the Gila claims less what may have been jumped on Jim ground by "The 3 Friends".

As indicated to Mr. D'Antonio, we are anxious to know what can be learned from the records as to what Mitchell, The 3 Friends, Cerro, Duval, Bear Creek or anybody else has located in our immediate vicinity or on top of us at any point.

Realizing that the information on the records is usually very sketchy and that only checking in the field will supplement such information, would it not be well to follow a preliminary reconnaissance down the strike along that base line with provision for making new locations? Of course, if it is found that we run into ground that somebody else has already staked, we will have to cross that bridge when we get to it; but meanwhile I think I would like to stake such a suggested pattern in addition to what we have already got.

I believe if additional claims were staked in the field in August, you would have to do assessment work for the year ending September 1, 1962; but if you didn't stake until September, 1961, you wouldn't have assessment work to do until reporting September 1, 1963? This of course suggests getting all of our information together and waiting until September 1 or 2 to locate;this of course is at the risk that somebody else may beat us to it in the intervening month.

Of course any information leading to drilling having been started or contemplated by Duval in an approximate location would be of interest.

As to assessment work, we have done geophysics two seasons on the thirteen Gila claims. Therefore, we can't do it this year ending September 1, 1961 but could resume the following year. You suggested in March doing some bulldozing to facilitate getting around.

As to the Jim claims, granted work hasn't been done on them for years, and according to our information a small portion of the ground adjoining the Copper Butte on the south has been located by "The 3 Friends". Whether they are interested in this ground seriously, whether they have dropped the ground, whether the ground would be available if desired, is all information which we now lack; but if something really starts to happen in the immediate area, everybody's ground would probably come in for attention. While I doubt that any claims they located on top of Mr. Reynolds are valid as to discovery, we would like to know fairly closely where they have located on top of Reynolds and what they are doing if anything.

As to Mitchell--while there is no evidence of his having operated or done assessment work for some years, we would assume that he had maintained his assessment work on any unpatented claims.

We understand he hasn't operated for years and some time back refused to ship any oxide ore to Hayden as before. We do not propose at this time contacting Mr. Mitchell but always have him in mind if the area really begins to show signs of life--then it will probably be too late to deal with him. As far as we know, he is more or less impossible to deal with anyway, but who can tell?

If it were decided to resume assessment work on some of the Jim claims, say by magnetic geophysics, the question is which would be the most important of the Jim claims to protect?

This brings me to Eldred Wilson. I called him on the phone today and am sorry to learn that he is ill at home; but I asked him if you could visit with him and that I would like his ideas on where to stake some more ground to the southwest, and that I would be writing you--sending you maps, etc. He said he would be glad to talk with you.

Without going into further detail at this time, if there were to be any bulldozer work for assessment work applicable to certain claims and discovery excavation on certain newly located claims, I believe you can do the equivalent of digging a discovery pit by making a discovery excavation of equivalent yardage? Thus, if you had a bulldozer in the area for one purpose (to make ground more accessible and count it as assessment work for a group), couldn't the same bulldozer gouge out a bank or trench that had the required cubic feet excavated to qualify for locations?

Very truly yours,

RMA:law
Enclosures

P.S.:
Where I am referring to Duval Sulphur on the first page and refer to their proposed drilling, and that if they do this drilling they will want our ground, that should be qualified in that if they have encouraging results in their drilling they will want our ground.

R. M. A.

7/17/61

Gila Copper: Robt M. Adams.

Gary D'Antonio June 9th letter.

Fred Howell, drilling to West.

Durall

May ?? want someone to go up and check over on the ground prior to decision on more claims or not and 1961 assessment details.

Gila File
Fortuna File

ROBERT M. ADAMS COMPANY

NEVADA

Duluth 2, Minnesota

FIDELITY BUILDING

August 29, 1961

SEP 1961
GEOEX

Mr. Grover Heinrichs
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

Pursuant to our recent telephone conversations, particularly that of last Saturday the 26th. Also, referring to your letter of August 23 which I received on my return to the office after an absence of about a week. I note what you say regarding both the Fortuna and Gila Claims--that you have done the magnetometer work on the Fortuna for which enclosed is check for $400 as requested.

As to the Gila, also enclosed is check for $1300 as requested.

I think my ideas have been covered in prior letters and in telephone conversations, but my understanding on the Gila is that you will cause $1300 of road work to be done which will cover the assessment work on the thirteen Gila Claims. Also, that you will with the same bulldozer cause enough excavations on the eight new claims adjoining the Gila to the southwest to cover the location work thereof. Also, that the assessment work started prior to September 1 and the locations subsequent to September 1 will be all done at this time. I assume we are saving money in the end by doing the location work by bulldozer when it is there for the present Gila assessment work than to have to come back in ninety days after location posting and filing and doing the necessary location excavation at that later date?

Very truly yours,

RMA:law
Enclosures

ROBERT M. ADAMS

DULUTH 2, MINNESOTA

CHARGE

Full Rate Telegram	X
Day Letter	
Night Letter	

Time Filed

Copy and Confirmation of Telegram Sent to:

AUG 1961
GEOEX

AUGUST 9, 1961

WALTER E. HEINRICHS, JR.
HEINRICHS GEOEXPLORATION COMPANY
806-808 WEST GRANT ROAD
TUCSON, ARIZONA

I EXPECT TO CALL YOU SATURDAY MORNING THE 12TH AT 11 O'CLOCK OUR TIME, 9 O'CLOCK YOUR TIME. HOPE WILSON WILL HAVE BEEN INTERVIEWED.

ROBERT M. ADAMS

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

AUG 1961
GEOEX

August 3, 1961

Mr. E. Grover Heinrichs
Heinrichs Geoexploration Company
P.O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

Mr. Adams is out of the city for a few days and has asked me to acknowledge receipt of your letter of July 27 and advise you that he will communicate with you next week upon his return. He hopes that some additional information will then be at hand from you after your talk with Eldred Wilson.

Yours very truly,

Gertrude D. Ormand

Gertrude D. Ormand
Secretary

go

Gila File ✓
Fortune "

JUL 1961
GEOEX

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

June 9, 1961

JUN 1961
RECEIVED
JOHNSON, DARROW, D'ANTONIO, HAYES & MORALES
608-12 VALLEY NAT'L BLDG.
TUCSON, ARIZ.

Mr. Lawrence D'Antonio
Johnson, Darrow, D'Antonio, Hayes & Morales
608-12 Valley National Building
Tucson, Arizona

Dear Mr. D'Antonio:

Supplementing my letter of June 1 regarding Gila Copper, I enclose herein a copy of letter received from Mr. Howell of Duval Sulphur in answer to my letter of June 1 of which I sent you a copy. Also enclosed is a copy of my reply to Mr. Howell and copy of letter of this date to Mr. Jure of American Metal Climax, and to Mr. Heinrichs.

I left with Mr. Howell my complete current file of Gila Copper data when in Tucson in March and I pretty well depleted our records here, hence the letter to Mr. Jure of American Metal asking if I might have another copy of the plan of their geological reconnaissance of our property and the adjacent area hitherto made.

You will note I'm also asking Mr. Howell to have that particular map copied and returned.

Thus talking without the American Metal map before me and from remembrance thereof and commenting upon the map of our area including the Jim claims which I left with you, I would suggest the following:—

We had now best examine the records at Florence and find out if we can what the records show as to certain filings.

You will note from the area map left with you the location of the Jim claims which adjoin the Mitchell or Copper Butte area at about the common corner of Sections 24, 19, 25 and 30, Township 3 South, Range 12 and 13 East, Pinal County.

Going southwesterly from this point we cross the Jim claims, then cross the Gila claims which do not quite reach to Walnut Creek, then in due course continuing southwest is the Gila River and beyond that considerably further west is Florence.

See other side of page

Referring again to American Metal maps given me on a northeast-southwest cross section, they have indicated the following; starting from the northeast:

"Mitchell's claims"
"Reynolds claims"
"Adams claims"
"Open area of interest"
"Open"
"Reclamation withdrawal"
"Open"
"Calumet and Hecla claims"

Now note from Mr. Howell's letter he refers to the Pioneer Group. That is out to the southwest beyond the Gila River but long before you would reach Florence. He cites that Cerro (Cerro de Pasco) apparently has these "Pioneer claims". Next note that (presumably continuing easterly) Duval has located some claims. How far back towards our present area this would extend, we don't know.

I suggest that in referring to the records at Florence we try to identify the descriptive location of:

1) "Pioneer claims" of Cerro.

2) New filings by Duval.

3) Is there such an area as "Calumet & Hecla claims"?

4) Continuing northeast is the area, generally speaking, open until reaching "Adams claims"?

5) Let us try to identify certain filings which, according to Reynolds from 1959 examination of the records, were on top of his Jim filings, supposedly located in the name of "The Three Friends".

Reynolds gave me the following information from his notes:--

"It was October 59 that he went to Florence and looked up this record. It was October 19. Now the book was #225, the pages 580-585. Reynolds thinks these 4 or 6 locations by "The Three Friends" were in two rows of three claims or three rows of two claims, running southerly from Mitchell's Copper Butte claims."

A pretty vague description and we don't know just where these locations may be.

I also quote from my notes of conversation with Walt Heinrichs in March as follows:--

"One of Mr. Heinrich's men was commenting on meeting some prospectors whom we thought might be "The Three Friends"--"Frank said that they looked more like hermits to him. That they had a shack up in Barcelona Wash and where they had been working he didn't know but they were there and they do have a certain amount of nuisance value and it's obvious if anything went ahead in the area they would have to be dealt with if they had any legal claim or not. I don't suppose they have because they doubtless do not have any discovery. In any event, they apparently aren't doing any visible work."

"As to Mitchell, he apparently isn't doing any work either--no operations."

As you can see, I've been waiting to hear from Duval and finally decided to jog them (June 1) and have now received a prompt reply (June 6) and it thus appears that we had better get moving if we are thinking of adding any more territory to what we already have.

I talked with Walt Heinrichs and also Eldred Wilson in March about locating additional ground principally to the west of the present Gila claims. I'm going to write Heinrichs now on this subject. And while we're corresponding thereon, I think it would be desirable if you would have the records at Florence examined for information as to what various people may have located to the southwest and what may be open in between, also as to "The Three Friends".

One additional thought occurs to me which we can take our time about and that is how the Government boys would look upon the possible patenting of some of the Jim claims, particularly as on one of these claims the Purcell drill hole cost a lot of money and was sunk over a half mile deep. This is something like the question we discussed as to Fortuna ground where I am going to send you the physical data so that you can get the feeling as to how they would view proceeding to patent that small area.

Very truly yours,

RMA:go

ROBERT M. ADAMS COMPANY
NEVADA
Duluth 2, Minnesota
FIDELITY BUILDING

June 9, 1961

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
806-808 West Grant Road
P.O. Box 5671
Tucson, Arizona

RECEIVED JUN 12 1961

Dear Mr. Heinrichs:

Regarding the Gila Copper area and our last conversation on this subject in Tucson in March, I'm beginning to think about the possibility of locating some additional Gila claims to the west and maybe also considering that anomaly apparently cutting across the southwest corner in a generally SE-NW direction.

Do you happen to have handy some kind of a map which would show the area from Florence to the Gila River and on in a generally easterly direction to the Copper Butte area? I had one but it's mislaid. This showed the location of the "Pioneer Group". Then there was quite a stretch to where Kennecott had put in some shallow holes and finally it continued northeast to take in the area which we have located and the Jim claims, etc.

At one time or another Calumet & Hecla had some claims to the southwest. Cerro de Pasco seems to be identified with the "Pioneer Group"? Whether Kennecott has kept alive any claims I don't know.

I'm in correspondence with Mr. D'Antonio on the subject of checking the records at Florence along these lines and also particularly as to certain encroachments by "The Three Friends" on some of Barney Reynolds claims (Jim claims). As we talked in Tucson, let's not bother to check in the field until we have the notes from the records at Florence. The records will doubtless be quite vague as usual and it will really mean looking in the field to see to what extent if any the Jim claims have been encroached upon.

Concurrently, we will be thinking about whether to locate some more ground, so maybe we can kill two or three birds with one stone in thinking about any moves in the field.

Very truly yours,

Robert M. Adams

RMA:go

VICTOR H. VERITY
ATTORNEY AT LAW
2207 EAST WAVERLY STREET
TUCSON, ARIZONA
EAst 5-9448

December 1, 1960

RECEIVED DEC 2 1960

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Gila

Dear Mr. Adams:

Enclosed is the affidavit executed by Walter E. Heinrichs, Jr. on October 8, 1960 covering work done on the Gila Nos. 1 through 13 unpatented mining claims. The affidavit was recorded in the office of the Pinal County Recorder on October 18, 1960 in Docket 275, pages 262-263.

Very truly yours,

Victor H. Verity

COPY

Enclosure

cc-W.E.H.,Jr. (with copy of affidavit)

RECEIVED OCT 7 1960

VICTOR H. VERITY
ATTORNEY AT LAW
2207 EAST WAVERLY STREET
TUCSON, ARIZONA
EAST 5-9448

October 5, 1960

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Walt:

Will you please sign the enclosed "Affidavit of Performance of Annual Labor" for the Gila group and return to me. I'll then send it to the county recorder for recording.

Enclosed is your copy of the 1958-59 affidavit.

Very truly yours,

Victor H. Verity

Enclosures

Walt:
I have the maps. I'll attach one before sending to the recorder.
V H

No. 214814
Recorded in Docket 275 page 262 in the office of the Pinal County Recorder, October 18, 1960.

AFFIDAVIT OF PERFORMANCE OF ANNUAL LABOR

STATE OF ARIZONA }
} ss.
COUNTY OF PIMA }

WALTER E. HEINRICHS, JR., being first duly sworn, deposes and says:

That he is a citizen of the United States and more than twenty-one years of age; he is a registered professional mining engineer, No. 2447, in the State of Arizona, and he is personally acquainted with all of those certain unpatented mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, in secs. 25 and 36, T. 3 S., R. 12 E., and secs. 30 and 31, T. 3 S., R. 13 E., G.& S.R.M., the names of which and the books and pages of recording of the location notices are found in the office of the County Recorder of Pinal County as follows:

Name of Claim	Docket	Page
Gila No. 1	151	594
Gila No. 2	151	595
Gila No. 3	151	596
Gila No. 4	151	597
Gila No. 5	151	598
Gila No. 6	151	599
Gila No. 7	151	600
Gila No. 8	152	1
Gila No. 9	152	2
Gila No. 10	152	3
Gila No. 11	152	4
Gila No. 12	152	5
Gila No. 13	152	6

That the said mining claims are contiguous and constitute a single group and are owned by Robert M. Adams Company.

That the affiant is now, and has been since August 1959, employed as consulting mining and exploration engineer and geologist by Robert M. Adams Company, and that he is duly authorized to make this affidavit for and on behalf of the owner of the said property.

That between August 28, 1960 and September 8, 1960, at least Thirteen Hundred Dollars ($1300.00) worth of work, not including the location work on the claims, was done and performed upon one or more of the claims for the benefit of all the said claims in the group.

The work was performed by Heinrichs Geoexploration Company of Tucson, Arizona, at the request and expense of Robert M. Adams Company as owner of said claims, for the purpose of complying with the laws of the United States pertaining to assessment or annual work for the assessment year ending September 1, 1960, at a cost in excess of $1300.00, and Walter E. Heinrichs, Jr., E. Grover Heinrichs, John W. Marlatt, Franklin A. Seward, Jr., Chris S. Ludwig, Lewis F. Ettawageshik and William Whittlesey, employees of Heinrichs Geoexploration Company, all of Tucson, Arizona, were the men who performed the said work, and that these personnel

represent a total of approximately 55 years of training and/or experience as graduate geophysical engineers, geologists and/or technicians, working under the direct supervision of affiant as president and general manager of Heinrichs Geoexploration Company.

The said work consisted of a magnetometer geophysical reconnaissance of ground not previously covered as well as one induced polarization profile across the center of a magnetic anomaly on the above-described unpatented lode mining claims by application of principles of the science of geophysics and geology for interpretation of geophysical and associated geological features as they relate to the search for mineral deposits, and a determination of the position of principal magnetic geophysical features in relation to the location and corner monuments of the said claims. Attached hereto and forming a part of this affidavit is a map of the above-described mining claims and the approximately 11,000 feet of magnetic traverses and the location of the induced polarization profile.

The magnetic work was done on parts of Gila Nos. 2, 3, 4, 6, 7, 8, 11, 12 and 13, and the induced polarization was on Gila No. 8 as shown on the attached map.

The magnetic results extended and further closed off and delineated certain geo-magnetic trends and anomalism discovered by a previous reconnaissance magnetometer survey. The induced polarization profile was centered on this magnetic anomaly in an attempt to discover if metallic conduction factors are present which might indicate the presence of favorable mineralization. Interesting anomalous values that may justify further consideration were obtained.

(Seal)

Walter E. Heinrichs, Jr.
Walter E. Heinrichs, Jr., Registered Engineer

Subscribed and sworn to before me this 8th day of October 1960.

Victor H. Verity
Notary Public

My commission expires:

July 8, 1963

ROBERT M. ADAMS COMPANY

LOCATION MAP

INFORMATION

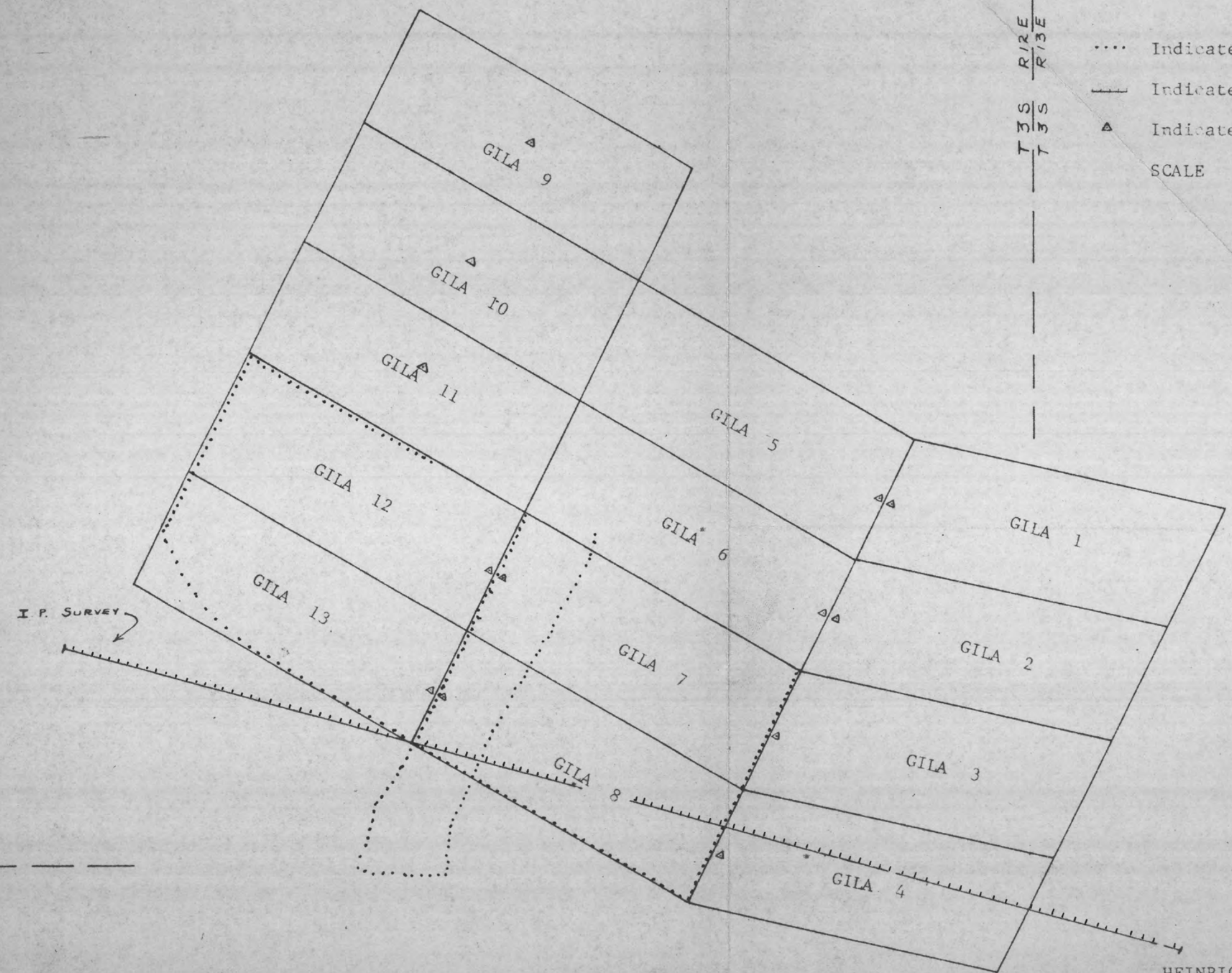
.... Indicates traverse route of Magnetics

—— Indicates location I.P. Survey

△ Indicates Location Monument

SCALE 1" = 500'

AUGUST 1960



GILA CLAIM GROUP

HEINRICHS GEOEXPLORATION COMPANY

Gila Fil ✓
½ Fortuna "

ROBERT M. ADAMS COMPANY
NEVADA
Duluth 2, Minnesota
FIDELITY BUILDING

RECEIVED AUG 25 1960

August 22, 1960

Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Gentlemen:

Referring to our conversation on the phone today, enclosed is check for $750.00 as advance payment upon assessment work discussed. I will comment first on the Fortuna and then on the Gila.

FORTUNA

I assume you have a copy of the map entitled "Franco-Riqueza Group", made by Dodge and Williams in 1952 (AS&R geology). I assume you also have the outline of the seven claims on which we have reported assessment work in recent years, being:

Fortuna No. 2
Suerte
Fortuna No. 7
Fortuna No. 9
Fortuna No. 6
Fortuna
Esperanza

We would like to do $400.00 in total of geophysical work on four claims to be so amended as to have a common corner on the mineral showings in the workings in this area. This pattern of four cornering claims should be laid out to best advantage so that there will be a block of ground 3000 feet long, 600 feet wide and in the center the mineral showings in the area of the common corner.

GILA COPPER

Mr. Verity advises that we can declare as assessment work $1300.00 for thirteen Gila Claims, and it doesn't have to be $1300.00 plus overhead charges equalling $1500.00 or $1600.00. In other words, if you bill us for $1300.00 and so arrange it that that covers it, that is what we want.

Mr. Verity also advises that we could follow geophysics from the Gila ground into adjoining territory and still count it work attributable to the Gila group. This would give us an opportunity to follow that anomaly a bit south and also to go a bit northwest towards Walnut Canyon.

I personally feel from the conversations in Tucson last spring that our direction of further interest should probably be to the northwest.

In connection with this work at Gila, will you please check on whether Fred Mitchell is operating at the Copper Butte?

Will you also please check on the location of four or five claims (south of Copper Butte) of which Mr. Barney Reynolds told me in Tucson? He had a rough idea of the location of four claims in a pattern of two each end to end, running southerly from Copper Butte ground over some of the Jim ground. He thought this meant that Fred Mitchell was locating additional ground. On the other hand, I believe last year you ran into some gold prospectors while doing work on the Gila and gathered that they had located these claims. The question is, where are the claims located?--thus eliminating perhaps some southeast portion of Jim territory.

Very truly yours,

Robert Matson

RMA:law
Enclosure
cc: Mr. Victor H. Verity

REMITTANCE SLIP

A

Duluth, Minn. Aug. 25, 1960

Heinrichs Geoexploration Co.

Enclosed find check No. 908 in payment of the following:

ITEMS	Amount	
Advance	750	00
Amount of Check	750	00

RECEIVED AUG 25 1960

ROBERT M. ADAMS Co.

By cmk

REMITTANCE SLIP

Duluth, Minn., July 29, 196 0

Heinrichs Geoexploration Company
P.O. Box 5671
Tucson, Arizona

Enclosed find check No. 004 in payment of the following:

ITEMS	Amount	
Account in full	17	00
Amount of Check	17	00

Check not good

RECEIVED AUG 1 1960

ROBERT M. ADAMS Co.

By omk

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

July 5, 1960

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P.O. Box 5671
Tucson, Arizona

RECEIVED JUL 7 1960

Dear Mr. Heinrichs:

As it doesn't look to me as if any progress were being made with Newmont, whereas Tennessee Copper appears to be more interested, will you please send back the file of data sent to you some time since, supposedly for Newmont.

As it happens, their New York office has been on the phone with me this morning and I am meeting their Vice President, Mr. Folliott, in Minneapolis on the 16th so as to run over all of the data with him.

I wonder if you could also send me one other copy of the map of your survey of last year and also a copy of the written material which accompanied it.

Very truly yours,

Robert M. Adams

Robert M. Adams

RMA:cs

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

June 13, 1960

RECEIVED JUN 15 1960

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

You received copy of my letter of May 6 to Mr. Searls; I enclose copy of June 7 to him and you received copy of his letter June 8. Herewith copy of my reply and, also, copy of letter today to Mr. Wilson.

Meanwhile, I suggest you hold the file of data which I sent you, per arrangement with Newmont as against Mr. Livermore contacting you the week of May 16. It is quite possible I will ask you shortly to return it, as we haven't too many copies--in fact, none of some of this material.

I will write you further in due course as to additional field work.

Very truly yours,

Robert Adams

RMA:law
Enclosures

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

June 13, 1960

Mr. Robert J. Searls
Newmont Mining Corporation
300 Park Avenue
New York, 22, New York

Dear Mr. Searls:

RE GILA COPPER

As far as I know, neither Dr. Wilson nor Mr. Heinrichs, nor I, have had any word from Mr. Livermore, and I note his possible stopping in Tucson is quite indefinite.

I suggest that at your convenience you have returned the geophysical data sent you on May 6, which I note from your letter was not fresh information for you.

Very truly yours,

RMA:law

(Mr. Walter E. Heinrichs, Jr.
Mr. Eldred D. Wilson)

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

June 13, 1960

Mr. Eldred D. Wilson
1132 East Seneca Street
Tucson, Arizona

Dear Mr. Wilson:

RE NEWMONT AND GILA COPPER

You and Mr. Heinrichs both received copies of my letter to Mr. Searls of May 6. Enclosed find a copy of my letter to Mr. Searls of letter June 7 jogging him. Also enclosed is copy of letter from Mr. Searls dated June 8 and of my reply today.

I very definitely think any further move should come from them.

Very truly yours,

RMA:law
Enclosures
cc: Mr. Walter E. Heinrichs, Jr.

June 7, 1960

Mr. Robert J. Searls
Newmont Mining Corporation
300 Park Avenue
New York 22, New York

Dear Mr. Searls:

Since writing you on May 6 and sending you geophysical data on Gila Copper which you wanted, we also sent to Tucson in care of Mr. Heinrichs a file of data for Mr. Livermore.

Mr. Heinrichs advises that he has heard nothing from Mr. Livermore. What do you want us to do with the data?

Very truly yours,

/s/ Robert M. Adams

RMA:law

Mr. Heinrichs

COPY

NEWMONT MINING CORPORATION

RECEIVED JUN 11 1960

June 8, 1960

Mr. Robert M. Adams
Fidelity Building
12th Floor
Duluth 2, Minnesota

Re: Gila Claim Group
Mineral Creek Mining District, Pinal County, ARIZONA

Dear Mr. Adams:

Mr. Livermore is still away and I have not heard if he will be able to visit Tucson in the near future. I also do not know if he has made any other arrangements with you.

We have reviewed the geophysical data you sent and find we also have information on the magnetic anomaly you are interested in. We developed this information during our 1953 survey of this area. Our interpretation of this anomaly was that it arose from a near surface feature which further investigation indicated to be the dacite contact.

I believe Mr. Livermore will probably still wish to discuss this area with Dr. Wilson and Walter Heinrichs. I cannot, however, give you any notion of when he will have time, and, therefore, believe you should feel free to approach other mining people if that is your wish.

Sincerely yours,

Robert J. Searls

RJS:dl

cc: Mr. W. E. Heinrichs
Mr. J. S. Livermore

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

May 13, 1960

RECEIVED MAY 16 1960

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs, Jr.:

Pursuant to my letter of May 6, enclosed is a file of Gila Copper data with an index of this data attached thereto.

Very truly yours,

Robert M. Adams
ac

RMA:law
Enclosures

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

August 18, 1959

RECEIVED AUG 21 1959

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
806-808 West Grant Road
Tucson, Arizona

Dear Mr. Heinrichs:

Pursuant to my letter of August 7, the contact between Vic Verity and yourself, and your telephone call this morning, I'm having to treat these subjects in a rather general way at this writing, but I'm sure we understand each other.

GILA COPPER

Please note the letter to Mr. Eldred Wilson of today. Enclosed is plan map of Gila claims.

According to our index this is #5. The Walnut Canyon and Copper Butte, June Bug, Cochise are Mitchell claims. The Jim claims are Reynolds claims. The Gila claims (13 of them) we located.

I also enclose two cross sections, I think prepared by Allen Rugg, per Wilson geology showing cross sections through the area. I'm sorry I cannot send a colored geological plan at the moment. These cross sections are #7 on the index.

While we have a detailed geological study in plan and cross sections by one of the companies, I do not think it is necessary to send you that at this time for this purpose. Incidentally, Mr. Wilson does not entirely agree with the geology thereof.

Certain drill holes were projected by Mr. Wilson in addition to the two most important holes previously drilled. The location of these is shown on the plan and on the sections. ? only find 1

Also enclosed, #11 on our index, the log of drill hole #1 which is the Purcell drill hole which went down half a mile in the major syncline. Also enclosed, the log of Copper Butte drill hole #4 (#19 on our index).

Now Mr. Wilson, when you confer with him on the question of where to do certain geophysical work, will explain the picture to you so much better than I can by letter that I really should go no further in detail.

In substance we feel that the placer copper shown at the Copper Butte Mine came from a sulphide source which has been faulted down and should be somewhere to the southwest at not too great a distance. What we want to find out is the sulphide source. It may be in pinal schist, it may be in porphyry or monosite--?

Note the very interesting consistent occurrence of copper in the formation way above the pinal schist (drill hole #4).

Mr. Wilson feels, I believe, that the deep Purcell drill hole would encounter mineralization at the bottom. As it turns out that hole couldn't have been drilled in a worse place as it went right down in a syncline which is clearly indicated on the surface.

Our immediate problem is to get evidence which would be helpful in indicating where to drill for the hoped for occurrence of sulphide.

The 13 Gila claims were located at Mr. Wilson's suggestion as a step towards covering this possibility to the southwest. This does not mean that all of the claims that might be desired have been located. But the assessment work on the 13 claims is what we're presently concerned with. Last year we worked on a road from the river up to the area. Drilling for assessment work purposes is out of the question, as $1300 wouldn't get to first base. If geophysical can accomplish something that sounds logical and under these circumstances I suggest conferring with Mr. Wilson as to where geophsyical work could best serve the purpose of perhaps developing interesting information while complying with the requirements.

As an additional thought, might it not be logical to start geophysical from a known point to illustrate the copper showings at the Copper Butte, carry on southwest across the Reynolds ground, passing the area of two known drill holes and then continue on southwest on Gila ground. I think starting from a known as a prelude to working on the unknown would not only sound logical but could well be considered as part of the cost of the survey on the unknown (Gila ground).

Very truly yours,

RMA:go
Encs. (5)
cc: Mr. V.Verity
Mr. E. Wilson

P. S.

We have been wanting a typical sample of ore from the Copper Butte showing copper. The reason for this is a suggestion made to me by Mr. Burgess, the president of Bear Creek (Kennecott)--that certain examinations and tests of samples from Ray and also from Copper Butte <u>might</u> give some idea of whether they are one and the same. While we do not think that the Copper Butte placer ore came from Ray, it would be interesting to have evidence that it did not. To this end I've been supplied by Kennecott with a sizeable sample of both oxide and sulphide ore from Ray. Now we want a sample of oxide ore (Is there any sulphide showing?) from Copper Butte. We don't appear to have any Copper Butte specimens. In connection with your work at Copper Butte will you please have a few pounds of typical Copper Butte oxidized ore showing copper picked up so that this comparison can ultimately be made.

RMA

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

August 18, 1959

Mr. Eldred Wilson
1132 East Seneca Street
Tucson, Arizona

Dear Mr. Wilson:

RE: GILA COPPER

Please note the enclosed copy of letter to Mr. Heinrichs of this date. We've decided to do assessment work on the Gila Copper this year in the form of geophysical work rather than more or less useless digging, road work, etc. You will note what I have sent to Mr. Heinrichs and I figure that in talking this over with you, you can doubtless figure out between you where $1300 of geophysical work could be used.

You will note I'm not figuring on the assessment work on the Reynolds claims. Vic ascertained some months ago from Reynolds the condition of these claims of which he can tell you. At the moment we're going to continue to assume that no one has relocated or will at the moment relocate Reynolds ground. However, I will wait to figure definitely with Mr. Reynolds as to the future of the Jim claims, and who will be interested and on what basis, until we are a little bit more sure of the immediate future of the project.

As to Mr. Mitchell we are leaving that alone also for the same reason at the moment.

We have developed preliminary interest in this picture with two certain companies. More of that later when we know better as to what the results may be.

Very truly yours,

RMA:go
Enc.
cc: Mr. V.Verity
Mr. W.Heinrichs

VICTOR H. VERITY
ATTORNEY AT LAW
2207 EAST WAVERLY STREET
TUCSON, ARIZONA
EAST 5-9448

RECEIVED AUG 13 1959

August 11, 1959

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams: Re: Gila Copper

When Walt Heinrichs was in my office this morning I talked with him regarding the possibility of doing work for you and have suggested in a letter on the subject of the Fortuna that you phone and make arrangements with him for performance of the annual assessment work. At the same time I recommend that you talk with him about the possibility of doing some geophysical work at the Gila Copper for assessment purposes.

I don't know how much geophysical work can be done for $1300 but it seems to me that any amount that was done would be better than road work which is likely to be washed out and adds nothing to the information about the mineral character of the ground.

You no doubt are familiar with the law which now permits filing of a statement concerning geophysical work as compliance with the annual work requirement. The law is not explicit as to just how much data must be placed of record and I presume there must be instances where claim owners might not wish to record the results of geophysical work. The law is so new it has not been tested in the courts and we don't know just what may or may not be required. However, anything that is placed of record would at least comply with the law as much as road work.

In view of the short time remaining in the assessment year I suggest that you phone rather than write Walt if it is your intention to do any assessment work on the Gila group.

Very truly yours,

Victor H. Verity

cc-Mr. Walter E. Heinrichs, Jr.

COPY

Core Recovery	Sludge Assay To Depth	%Cu		Description of Core
1.35'	1307	0.06	1302-1312:	Quartz diorite fragments and cores.

Hole completed at 1312 feet on August 2, 1949

SUMMARY OF ASSAYS IN COPPER BUTTE HOLE 4

Depth		Vertical Interval	Assay Copper	Product
550-575'	- Core Sample	25'	0.285%	7.2
575-640	- " "	65	0.545	35.4
640-710	- Sludge sample	70	0.279	19.5
710-770	- " "	60	0.285	17.1
770-840	- " "	70	0.370	25.9
840-920	- " "	80	0.351	28.1
920-946	- " "	26	0.508	13.4
550-946'	- TOTAL DACITE	-396'	0.370%	146.6
946-962	- Sludge sample	16	0.562	9.0
962-1002	- " "	40	0.400	16.0
1002-1027	- " "	25	0.310	7.3
1027-1057	- " "	30	0.173	5.2
1057-1127	- " "	70	0.296	20.7
1127-1177	- " "	50	0.150	7.5
1177-1237	- " "	60	0.156	9.3
1237-1277	- " "	40	0.084	3.3
1277-1312	- " "	35	0.060	2.1
946-1312	TOTAL CONGLOMERATE	366	0.219%	80.4
550-1312	COMPLETED HOLE	762	0.298%	227.0

Cumulative assays of various intervals -

Above 1/2% copper - In dacite 575-640 - 65' at 0.55%
at dacite contact 920-962 - 42' at 0.53%

Above 0.30% copper 575-1027-452' at 0.380%
In dacite and conglomerate

Above 0.17% copper
In dacite and conglomerate 550-1127-577' at 0.355%

Above 0.14% copper
In dacite and conglomerate 550-1237-687' at 0.322%

WALNUT CANYON MINING COMPANY

D.D. Hole No. 4 - page 2

Core Recovery	Sludge Assay To Depth	% Cu	Description of Core
	690-700	0.26	640-770: (Assay results - continued)
	710	0.33	
	720	0.28	
	730	0.27	
	740	0.26	
	750	0.26	
	760	0.33	
	770	0.31	
69.3' 99%	780	0.38	770-840: Same rock and mineralization as recovered from 640 to 770 foot depth.
	790	0.39	
	800	0.38	
	810	0.40	
	820	0.36	
	830	0.36	
	840	0.32	
65' 100%	850	0.33	840-905: Same buff to pink dacite with white veinlets of quartz, chalcedony and clay mineral, locally containing a little malachite and chrysocolla. Flow banding at 45 degrees to 60 degrees to hole.
	860	0.32	
	870	0.37	
	880	0.37	
	890	0.37	
	900	0.33	
	910	0.36	
18' 100%	920	0.36	905-923: Black, glassy vitrophyre with some irregular areas of pink dacite. Little copper in the vitrophyre.
19.5' 85%	930	0.58	923-946: Rosy pink dacite with scattered angular schist fragments. Vague rock banding at 55 degrees to hole. The dacite lightens in color to grayish white at bottom and may be a welded tuff. Malachite and chrysocolla occur in three ways: associated with white veinlets of chalcedony, quartz, and clay mineral; in specks and blebs in rock; and in placed in dacite around rims of schist fragments. The copper minerals are scattered and are not prominent.
	940	0.45	

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D.D. Hole No. 4 - page 3

Core Recovery	Sludge To Depth	Assay %Cu	Description of Core
1.4' / 23%	940-952	0.52	946-952: Hard Whitetail Conglomerate with sub-angular schist pebbles in a gray to brown matrix. Few white veinlets have a little green copper. Some reddish brown iron-oxide in the conglomerate.
3.8' / 6.9%	957	0.51	952-1007: (Whitetail conglomerate) fragments recovered consists of coarse-grained granite and schist, with one fragment of gray porphyry at 985 and of quartzite at 990. At 963 feet is some limey, brown conglomerate matrix with seams of chrysocolla and malachite. Some of the granite shows brown iron-oxide in body of rock.
	962	0.66	
BX casing to 962 ft.			
	967	0.40	
	972	0.40	
	977	0.42	
	982	0.48	
	987	0.42	
	992	0.34	
	997	0.34	
	1002	0.40	
	1007	0.28	
			Below 1007 there is no visible copper in the core recovered. The low copper assays in the sludge were probably obtained from friable veinlets which did not core.
8' / 10%	1012	0.28	1007-1087: Every run has fragments of both schist and granite. Schist is generally fresh gray, except for iron-oxide on joints. Some granite shows brown iron-oxide in body of rock (Whitetail conglomerate.)
	1017	0.30	
	1022	0.30	
	1027	0.30	
AX casing to 1027 ft.			
	1032	0.14	
	1037	0.16	
	1042	0.16	
	1047	0.20	
	1052	0.16	
	1057	0.22	
	1062	0.29	
	1067	0.31	
	1072	0.30	
	1077	0.28	
	1082	0.34	
	1087	0.30	
AX casing to 1087 ft.			
			1087-1107: Schist fragments only, (Probably Whitetail).
1.3' / 6.5%	1092	0.34	
	1097	0.28	
	1102	0.22	
	1107	0.18	

WALNUT CANYON MINING COMPANY

D.D. Hole No. 4 - page 4

Core Recovery	Sludge Assay To Depth	%Cu	Description of Core
4.0' 20%	1107-1112	0.40	1107-1127: Definite brown conglomerate with angular schist pebbles (Whitetail).
	1117	0.25	
	1122	0.35	
	1127	0.30	
13.40' 12.75%	1132	0.16	1127-1232: Fragments recovered are quartz sericite schist, with definite conglomerate recovered at intervals. Conglomerate has red matrix and angular to sub-angular schist pebbles. Bedding is indefinite but suggestion is that lineation is at wide angle to core. No copper seen in core recovered. At 1115' an andesite porphyry fragment, and at 1230' a dark porphyry fragment (diabase?). The schist recovered is generally gresh but shows some red iron-oxide facings.
	1137	0.15	
	1142	0.11	
	1147	0.10	
	1152	0.12	
	1157	0.14	
	1162	0.17	
	1167	0.20	
	1172	0.21	
	1177	0.14	
	1182	0.14	
	1187	0.18	
	1192	0.16	
	1197	0.14	
	1202	0.14	
	1207	0.16	
	1212	0.17	
	1217	0.15	
	1222	0.16	
	1227	0.16	
	1232	0.18	
0.65' 2.6%	1237	0.18	1232-1257: Fragments of gray schist with some aplite at 1250 feet. (Probably whitetail).
	AX casing to 1237'		
	1242	0.08	
	1247	0.10	
	1252	0.13	
	1257	0.08	
1.45' 7.25%	1262	0.08	1257-1277: Fragments of gray schist, some slightly bleached and altered schist, and a little aplite. Few specks of iron oxide. Driller reports sludge slightly more brown in color and rock softer. (Probably Whitetail).
	1267	0.07	
	1272	0.06	
	1277	0.07	
	1282	0.08	1277-1302: No core. Possibly West Fault.
	1287	0.08	
	1292	0.06	
	1297	0.05	
	1302	0.05	

WALNUT CANYON MINING COMPANY

D.D. Hole No. 4 - page 5

Summary of Hole

Core recovery in the dacite was excellent, approximating 100% for 946 feet of dacite cut in the hole. Although of less than mineable grade, the persistence of copper mineralization for almost seven hundred feet (687 feet averaging 0.322% copper) is notable.

Core Recovery	Sludge Assay To Depth %Cu	Rock Type
100%	- - - - - - - -	0-550: Pink dacite flow, with flow banding averaging about 45 degrees to the hole. Joint filled by veinlets of calcite and kaolinite.
92%	*550-575 0.29 *575-640 0.544 640-740 0.28 740-900 0.35	550-905: Pink dacite. Below 550 feet the veinlets carry copper oxide mineralization as chrysocolla, malachite, and as a light green stain in the kaolinite. Copper content of fracture, and is most abundant where jointing approaches brecciation.
100%	900-923 0.36	905-923: Vitrophyre and buff dacite, together showing a coarsely banded structure. Joint fillings in vitrophyre show less copper mineralization than those dacite.
85%	923-946 0.51	923-946: Rose pink dacite.
9.7%	946-962 0.56 962-1002 0.40 1002-1042 0.24 1042-1087 0.27	946-1087: Whitetail conglomerate. Pebbles mainly gray schist, matrix is reddish brown sand.
6.5%	1087-1107 0.26	1087-1107: Probably Whitetail conglomerate Core recovery slight, comprosed of schist fragments, some showing red iron-oxide facings.
11.5%	1107-1147 0.23 1147-1187 0.16 1187-1237 0.155 1237-1277 0.084	1107-1277: Whitetail conglomerate. Small sections of conglomerate core containing pebbles in reddish brown sand matrix recovered intermittently to 1232 feet. The presence of granite and aplite pebbles with the schist pebbles recovered in intervening runs also indicated probable conglomerate.
	1277-1302 0.062	1277-1302: NO CORE - Possibly West Faulty.
13.5%	1302-1313 0.05	1302-1312: Quartz diorite fragments. (Basement?)

* Split core assayed from 550 to 640 foot depth.

Hole completed at 1312 feet, August 2, 1949

Tucson, Arizona
September 20, 1949

Respectfully submitted
Seton S. Williams

XI

A S S A Y R E P O R T

Mr. J. Pardee November 27, 1951

HOLE NO.	SAMPLE NO.	% COPPER
1	66	0.05
1	67	0.05
1	68	0.04
1	69	0.02
1	70	0.07
1	71	0.04
1	72	0.03
1	73	0.07
1	74	0.06
1	75	0.05
1	76	0.03
1	77	0.02
1	78	0.02
1	79	0.06
1	80	0.02
1	81	0.01
1	82	0.03
1	83	0.02
1	84	0.02
1	85	0.02
1	86	0.03
1	87	0.03
1	88	0.02
1	89	0.03
1	90	0.02
1	91	0.02
1	92	0.05
1	93	0.04
1	94	0.09
1	95	0.08
1	96	0.12
1	97	0.05
1	98	0.07
1	99	0.06
1	100	0.08
1	101	0.05
1	2577-2600 (102)	0.11
1	2600-2609	0.10
1	2609-2619	0.14
1	2619-2531	0.14
1	2632-2640	0.08
1	2640-2646	0.06
1	2646-2651	0.06
1	2651-2656 (109)	0.06

44 copper determinations at 75¢ $33.00 to H. O. Coles
                  33.50 P. O. Box 1414
Statement rendered Nov. 5, Pd. $66.50 Miami, Arizona

NOTES ON CHURN DRILL HOLE #1

By B.W. Reynolds

Location - about the center east and west and about 200 feet south of the north line of the JIM #33, at the bottom of a sincline.

Collar elevation 2,652 feet above sea level.

Started drilling August 2, 1951, completed at depth of 2,755 November 30, 1951.

FORMATIONS DETERMINED FROM SLUDGE AND PEBBLES

0 - 290 - Dacite Tuff.
290 - 315 - Dacite.
315 - 1978 - 1663 feet - Whitetail Conglomerate.
1978 - 2655 - 677 feet - Highly Altered Schist.
2655 - 2755 Bottom - Granite Porphyry.

NOTES

Different colors noted by the drillers in the Whitetail Conglomerate conforms to the colors in the open pit workings.

From 1265 to 1320 - start of water and caving, probably drilling through fault that runs north and south, located east of hole on the surface. This could possibly account for some of the excessive thickness of the Whitetail conglomerate.

At about 2655 - probably drilling through major fault, shown on Geological Map, north of hole. The map shows a dip of 55% to the south. The hole shows altered schist contact with granite porphyry.

ASSAY REPORT C.D.H. #1 and MICROCHEMICAL TESTS OF PANNINGS C.D.H. #1 are all made from samples below 2000 feet.

NOTE - D.D.H. #4 was drilled on the slope of a steep sincline which accounts in part for the excessive thickness of the Dacite.

CHURN DRILL HOLE #1 Drillers (Buckingham (Russell (Rowe

Copied From

DRILLERS REPORT

DATE	TIME	DEPTH	HARDNESS	REMARKS
8-2-51	8AM-12PM	0-60=60	Med.	Gray 12 3/4 Casing
8-3	12PM-8AM	60-75=15	"	"
"	8AM-4PM	75-120=45	"	"
"	4PM-12PM	120-175=55	"	"
8-4	12- 8AM	175-230=55	"	"
8-4	8-AM-4PM	230-290=60	"	" 230 to 290 Gray 290Brown
8-4	4-PM-12	290-340=50		305-315 hard red 315-340 muddy.
8-5	12- -8AM	340-355=		
8-5	8AM-4PM	355-375=20		hole caving some-hole bad
8-5	4PM-12			Straightening Hole
8-6	12- -8AM	375-390=		
8-6	8AM-4PM	390-410=20	Med. with	hard streaks - Brown-hole OK
8-6	4PM-12	410-435=25	Med.	Brown
8-7	12 - 8AM	435-460=25	"	"
8-7	8AM-4PM	460-485=25	"	"
8-7	4PM-12	485-505=20	"	"
8-8	12- -8AM	505-525=20	"	"
8-8	8AM-4PM	525-550=25	"	Dark Brown
8-8	4PM-12	550-575=23	"	Brown
8-9	12- -8AM	575-595=20	"	"
"	8AM-4PM	595-615=20	"	"
8-11	12-12 AM	615-640=25	"	"
"	12-12 PM	640-665=25	"	"
8-12	12-12 AM	665-700=35	"	"
"	12-12 PM	700-735=35	"	"
8-13	12-12 AM	735-770=35	"	"
"	12-12 PM	770-800=30	"	"
8-14	12-12 AM	800-820=20	"	"
"	12-12 PM	820-845=25	"	"
8-15	12-12 AM	845-885=40	"	"
"	12-12 PM	885-920=35	913 Med. Hard Brown 913-920 Med. Hard Gray 920-927 Med Hard Gray	
8-16	12-12 AM	920-950=30	927-950 Med. Brown	
"	12-12 PM	950-980=30	Med.	Brown
8-17	12-12 AM	980-1015=35	"	"

HOLE # 1 Cont.

DATE	TIME	DEPTH	HARDNESS	REMARKS
8-17-51	PM 12-12	1015-1050=35	Med.	Brown.
8-18	AM 12-12	1050-1085=35	"	"
"	PM 12-12	1085-1110=25	"	"
8-19	AM 12-12	1110-1140=30	Med.	"
"	PM 12-12	1140-1170=30	"	"
8-20	AM 12-12	1170-1200=30	"	"
"	PM 12-12	1200-1220=20	_____	_____
8-21	AM 12-12	1220-1235=15	Med.	Brown.
"	PM 12-12	1235-1265=30	Med. Hard	Brown
	AM		Med. Hard	1265-1273 Making one bailer of water per hr. 1273 to 1281
8-22	12-12	1265-1295=30	1273 Med.	Brown
"	PM 12-12	1295-1320=25	Med.	Brown Hole Caving
8-23	AM 12-12	1320-1340=20	Med.	" Lost Bit 11 O'Clock
9-3-1951	8AM-8PM			Drilling by Bit
9-6	12 -8PM	1340-1350=10		
9-9				Hauling & Running 8" Casing
9-11	AM 12-12	1355-1365=10		8" Casing
"	PM 12-12	1365-1370=5	Med.	Brown
9-12	AM 12-12	1370-1405=35	Med.	Brown
"	PM 12-12	1405-1415=10	"	"
9-13	AM 12-12	1415-1455=40	"	"
"	PM 12-12	1455-1490=35	Med. Hard	"
9-14	AM 12-12	1490-1540=50	Med.	"
"	PM 12-12	1540-1575=35	Med. Hard	"
9-15	AM 12-12	1575-1610=35	" "	"
"	PM 12-12	1610-1640=30	_____	_____
9-16	AM 12-12	1640-1675=35	Med.	Brown
	PM		1700 Med.	Brown

HOLE # 1 Cont.

DATE	TIME	DEPTH	HARDNESS	REMARKS
9-16	12-12 AM	1675-1705=30	1700 Med.	1705 Hard. Brown
			1705-1715	" " 1725-1740
			Soft	Gray Gouge & Schist
9-17	12-12	1705-1740=35	1715-1725	Hard Grey Change information 15-25 light grey color
	PM			
"	12-12 AM	1740-1750=10	_____	_____
9-19	12-12 PM	1750-1770=20	Hard	Grey
"	12-12 AM	1770-1800=30	Hard	Grey
			1800-1809	Hard Grey
9-20	12-12 PM	1800-1825=25	1809-1825	Soft Gouge
"	12-12	1825-1830=5		Very Sticky Gouge

HOLE # 1 (Cont.)

	AM		Broke Drilling Line fished	
9-21-1951	12-12 PM	1830-1840=10	Hard	Grey Out Tools
			1840-1855	Hard Grey
9-21	12-12 AM	1840-1855=15		Very Sticky Gouge
9-22	12-12 PM	1855-1860=5	Hard	Schist
9-22	12-12	1860-1865=5	Hard	Schist
9-23 to 9-29		1865	Cleaning out at 1865 Hauling & Runing 7" Casing	
9-29	AM 12-12 PM	1865-1875=10	_____	_____
"	12-12 PM	1875-1880=5	Cleaning out & Drilling hole caved _____	lowered Pipe 4½'
9-30	12-12 AM	1880-1890=10	Med Hard.	Grey
10-1	12-12 PM	1890-1900=10	Med	Gray
			1900-1910	Med Gray
"	12-12 AM	1900-1915=15	1910-1915	Hard Gray
10-2	12-12 PM	1915-1925=10	Lowering Casing-Cleaning Out Lowered Casing 20' & Cleaning Out Cavings	
10-3	AM	1925-1940=15	Med.	Gray
"	PM		(Cleaning Out Lowering Pipe	
10-4	AM		(Cleaning Out Lowering Pipe	
10-4	PM	1940-1955=15	Med. Hard	Gray
10-5	AM	1955-1975=20	" "	"
			1975-1978	Med. Gray
"	PM	1975-2005=30	1978 to -	Med. Red
10-6	AM	2005-2030=25	Soft	Red
"	PM	2030-2035=5	"	"
10-7	AM	2035-2055=20	"	" Caving
"	PM	2055-2085=30	"	"

HOLE # 1 (Cont.)

DATE	TIME	DEPTH	HARDNESS	REMARKS
10-8	10AM-10PM	2085-2100=15	Soft	Red
10-9 to 10-10			Cleaning out & lowering pipe	
10-11	AM	2100-2110=10		
		CLEANING OUT & LOWERING CASING TO 2110		
10-15	PM	2110-2130=20	Soft	Red
10-16	AM	2130-2140=10	"	"
"	PM	2140-2155=15	"	"
10-17	AM	2155-2185=30	"	"
"	PM	2185-2215=30	"	"
10-18	AM	2215-2240=25	"	" Caving
"	PM	2240-2275=35	"	"

HOLE # 1 (Cont.)

10-19-1951	AM	2275-2320=45	Soft	Red
"	PM	2320-2370=50	"	"
10-20	AM	2370-2395=25	"	"
10-20PM	Lost Drilling Tools - Fished out 10-21 PM			
10-21PM				
10-22	AM	2395-2405=50	Soft	Red
10-22 PM				
11-1	AM Work on Drill - Under Reaming & Lowering Casing			
			2405-2410 Med. Hard	
11-1	PM	2405-2420=15	2410-2415 Sticky Gauge	
11-2	AM	2420-2430=10		Sticky Gouge
"	PM	2430-2440=10		" "
11-3	AM	2440-2455-15	Soft Red Sticky Gouge	
"	PM	2455-2470=15	" "	Very Sticky
11-4	AM	2470-2485=15	Sticky Red	
"	PM	2485-2495=10	"	"
11-5	AM	2495-2505=10	"	"
"	PM	2505-2510=5	"	"
11-6 AM				
11-7 PM				Lowering Pipe
11-8	AM	2510-2515=5	Stick Red	
"	PM	2515-2525=10	Med. Hard Sharp	
11-9	AM	2525-2545=20	Med. Sharp	
"	PM	2545-2565=20	"	"
11-10	AM	2565-2580=15	"	"
"	PM	2580-2600=20	"	"
11-11	AM	2600-2620=20	"	"
"	PM	2620-2640=20	"	"
11-12	AM	2640-2655=15	"	"
				(Hole Caved-Hauling & Setting 5' Casing
11-25	AM	2655-2665=10	Med. Red.	
"	PM	2665-2680=15	"	"
11-26	AM	2680-2695=15	"	Red & Gray
"	PM	2695-2710=15	"	Red Lowering Pipe
11-27	AM	2710-2725=15	"	Brown & Gray
11	PM	2725-2740=15	"	Brown
				(Underreaming & Lowering Casing)
11-30	AM	2740-2743=5	Hard Brown & Gray	
			Very Sharp	Bad Hole Filled up 10'
"	PM	2745-2755=10	Very Hard	Brown & Gray Drilled back to Bottom

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Gila No. 1 Mining Claim was located by Robert M. Adams Company on this 18th day of April, 19 56, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District Pinal County, Arizona, about 1800 feet, S 20 W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 25 feet in a northwesterly direction to the west center end monument, or stake, and 1485 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert M. Adams Company

by Allen M. Rugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 1 coincides with the south sideline of the Jim 15, the west endline coincides with the east end line of the Gila No. 5 and the southsideline coincides with the north sideline of the Gila No. 2.

Recorded in the office of the Pinal County Recorder Docket 151 at Page 594, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the GILA No. 2 Mining Claim was located by Robert N. Adams Company on this 11th day of April, 19 56 for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District Final County, Arizona, about 1500 feet, N 40 W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 10 feet in a northwesterly direction to the west center end monument, or stake, and 1490 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

Robert N. Adams Company

by Allen N. Rugg, Jr., Agent

Witness Locator.

The north sideline of the Gila No. 2 coincides with the south sideline of the Gila No. 1, the west endline coincides with the east end line of the Gila No. 6 and the south sideline coincides with the north sideline of the Gila No. 3.

Recorded in the office of the Recorder of Pinal County, Arizona in Docket 151 at page 595 May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the GILA NO. 3 Mining Claim was located by Robert M. Adams Company on this 18th day of April, 19 56, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District Pinal County, Arizona, about 1140 feet, N 60° W from the SW corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 10 feet in a northwesterly direction to the west center end monument, or stake, and 1490 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert M. Adams Company

by Allen M. Rugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 3 coincides with the south sideline of the Gila No. 2, the west endline coincides with the east end line of the Gila No. 7 and the south sideline coincides with the north sideline of the Gila No. 4.

Recorded in the office of the Pinal County Recorder in Docket 151 at Page 596, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the GILA No. 4 Mining Claim was located by Robert H. Adams Company on this 13th day of April, 19 56, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District Pinal County, Arizona, about 1500 feet, West from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 10 feet in a northwesterly direction to the west center end monument, or stake, and 1490 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert H. Adams Company

by Allan E. Rugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 4 coincides with the south sideline of the Gila No. 3, the west endline coincides with the east end line of the Gila No. 8.

Recorded in the office of the Pinal County Recorder, Arizona, in Docket 151 at Page 597, May 4, 1956

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the GILA No. 5 Mining Claim was located by Robert H. Adams Company on this 14th day of April, 1956, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northeast to southwest and is situated in the Mineral Creek Mining District Pinal County, Arizona, about 1800 feet, N 20° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 1490 feet in a northwesterly direction to the west center end monument, or stake, and 10 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert H. Adams Company

by Allen H. Pugh, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 5 coincides with the south sideline of the Jim No. 6, the west endline coincides with the east end line of the Gila No. 20, the south sideline coincides with the north sideline of the Gila No. 6 and the east endline coincides with the west endline of the Gila No. 2.

Recorded in the office of the Pinal County Recorder, Arizona, in Docket 151 at Page 598, May 4, 1956

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That this Gila No. 6 Mining claim was located by Robert M. Adams Company on the 18th day of April, 19 56 for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District, Pinal County, Arizona, about 1500 feet, N 40° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 1130 feet in a northwesterly direction to the west center end monument, or stake, and 20 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert M. Adams Company

by Allen M. Rugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 6 coincides with the south sideline of the Gila No. 5, the west endline coincides with the east end line of the Gila No. 11, the south sideline coincides with the north sideline of the Gila No. 7 and the east endline coincides with the west endline of the Gila No. 2.

Recorded in the office of the Pinal County Recorder, Arizona, in Docket 151 page 599, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the GILA NO. 7 Mining Claim was located by Robert M. Adams Company on this 28 th day of April, 19 56, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District, Pinal County, Arizona, about 2000 feet, N 60° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 30 feet in a northwesterly direction to the west center end monument, or stake, and 1470 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert M. Adams Company

by Allen M. Bugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 7 coincides with the south sideline of the Gila No. 6, the west endline coincides with the east end line of the Gila No. 12, the south sideline coincides with the north sideline of the Gila No. 8 and the east endline coincides with the west endline of the Gila No. 3.

Recorded in the office of the Pinal County Recorder, Arizona in Docket 151 at page 600, May 4, 1956

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Gila No. 8 Mining Claim was located by Robert H. Adams Company on this 10 th day of April, 19 56, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northeast to southeast and is situated in the Mineral Creek Mining District, Pinal County, Arizona, about 2000 feet, N 73° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 20 feet in a northwesterly direction to the west center end monument, or stake, and 1480 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert H. Adams Company

by Allen H. Rugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 8 coincides with the south sideline of the Gila No. 7, the west endline coincides with the east end line of the Gila No. 13, and the east endline coincides with west endline of the Gila No. 4.

Recorded in the office of the Pinal County Recorder, Arizona, in Docket 152, at page 1, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Gila No. 9 Mining Claim was located by Robert M. Adams Company on the 18th day of April, 1956, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District, Pinal County, Arizona, about 3500 feet, N 30° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 760 feet in a northwesterly direction to the west center end monument, or stake, and 740 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert M. Adams Company

By Allen M. Hugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 9 coincides with the south sideline of the Jim 24, the south sideline coincides with the north sid line of the Gila No. 10, and the east endline coincides with the west endline of the Jim 16.

Recorded in the office of the Pinal County Recorder, Arizona, in Docket 152 at page 2, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Gila No. 10 Mining Claim was located by Robert H. Adams Company on the 15 th day of April, 19 56 for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to northeast and is situated in the Mineral Creek Mining District, Pinal County, Arizona, about 3300 feet, N 30° W from the SE corner sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 750 feet in a northeasterly direction to the west center end monument, or stake, and 750 feet in a southwesterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert H. Adams Company

by Allen H. Page, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 10 coincides with the south sideline of the Gila No. 9, the south sideline coincides with the north sideline of the Gila No. 11 and the east endline coincides with the west endline of the Gila No. 5.

Recorded in the office of the Pinal County Recorder, Florence, Arizona, in Docket 152 at page 3, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the GILA No. 11 Mining Claim was located by Robert H. Adams Company on this 18th day of April, 1956, for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District Pinal County, Arizona, about 3000 feet, N 50° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 750 feet in a northwesterly direction to the west center end monument, or stake, and 750 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert H. Adams Company

by Allen H. Rigg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 11 coincides with the south sideline of the Gila No. 10, the south sideline coincides with the north sideline of the Gila No. 12 and the east endline coincides with the west endline of the Gila No. 6.

Recorded in the office of the Pinal County Recorder, Florence, Arizona, in Docket 152 at page 4, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the Gila No. 12 Mining Claim was located by Robert E. Adams Company on this 18 th day of April 1956 for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southeast and is situated in the Mineral Creek Mining District Pinal County, Arizona, about 2900 feet, N 60° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 1130 feet in a northwesterly direction to the west center end monument, or stake, and 20 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert E. Adams Company

by Allen E. Rugg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No. 12 coincides with the south sideline of the Gila No. 11, the south sideline coincides with the north sideline of the Gila No. 13 and the east endline coincides with the west endline of the Gila No. 7.

Recorded in the office of the Pinal County Recorder, Florence, Arizona, in Docket 152 at page 5, May 4, 1956.

NOTICE OF LOCATION

NOTICE IS HEREBY GIVEN That the GILA NO. 13 Mining Claim was located by Robert H. Adams Company on this 18 th day of April, 19 56 for mining purposes. Said claim is 1500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is northwest to southwest and is situated in the Mineral Creek Mining District Pinal County, Arizona, about 2800 feet, N 75° W from the SE corner Sec. 25, T 3 S, R 12 E.

(Write on above lines the distance and direction the claim is from some permanent and natural object, such as a mountain, peak, stream, etc.)

This claim runs from the discovery monument, or stake on which the notice is posted, 1180 feet in a northwesterly direction to the west center end monument, or stake, and 20 feet in a southeasterly direction from the aforesaid monument, or stake, to the east center end monument or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallellogram.

Robert H. Adams Company

by Allen M. Burg, Jr., Agent

Witness

Locator.

The north sideline of the Gila No 13 coincides with the south sideline of the Gila No. 12 and the east endline coincides with the west endline of the Gila No. 8.

Recorded in the office of the Pinal County Recorder, Florence, Arizona, in Docket 152 at page 6, May 4, 1956.

RECORDED IN OFFICE OF
PINAL COUNTY RECORDER
SEPTEMBER 13, 1957

DOCKET 186
PAGE 501

AFFIDAVIT OF LABOR PERFORMED AND IMPROVEMENTS MADE

STATE OF ARIZONA)
) ss
COUNTY OF PIMA)

M. L. Tate being duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one years of age, resides at Tucson in Pima County, Arizona, and is personally acquainted with the following-described mining claims situated in the Mineral Creek Mining District of Pinal County, Arizona, the location notices of which are of record in the office of the County Recorder of Pinal County:

Name of Claim	Docket	Page
Gila No. 1	151	594
Gila No. 2	151	595
Gila No. 3	151	596
Gila No. 4	151	597
Gila No. 5	151	598
Gila No. 6	151	599
Gila No. 7	151	600
Gila No. 8	152	1
Gila No. 9	152	2
Gila No. 10	152	3
Gila No. 11	152	4
Gila No. 12	152	5
Gila No. 13	152	6

That between June 25, 1957 and July 6, 1957, at least One Thousand Three Hundred Dollars ($1,300.00) worth of work and improvements were done and performed upon said claims for the benefit of all the claims in the group. The work was done by Tate Mine Contracting & Development Company for and at the expense of Robert M. Adams Company a corporation, for the purpose of complying with the laws pertaining to annual assessment work for the assessment year beginning noon July1, 1956 and ending noon, July 1, 1957. The work consisted of road building on the claims. M. L. Tate and employees of the Tate Mine Contracting & Developing Company performed the work.

M L Tate

M. L. Tate

Subscribed and sworn to before me August 31st.1957.

Helen G. Tate (nee Page1)

Notary Public

My commission expires:

June 13th, 1960

AFFIDAVIT OF PERFORMANCE OF ANNUAL LABOR

STATE OF ARIZONA)
) ss.
COUNTY OF PIMA)

WALTER E. HEINRICHS, JR., being first duly sworn, deposes and says:

That he is a citizen of the United States and more than twenty-one years of age; he is a registered, professional mining engineer, No. 2447, in the State of Arizona, and he is personally acquainted with all of those certain unpatented mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, in Secs. 24 and 25, T. 3 S., R. 12 E., and Secs. 19 and 30, T. 3 S., R. 13 E., G& S.R.B.&M. the names of which and the books and pages of recording of the location notices are found in the office of the County Recorder of Pinal County as follows:

NAME OF CLAIM	BOOK	PAGE
Jim # 1	56	23
Jim # 2	56	23
Jim # 3	56	24
Jim # 4	56	24
Jim # 5	56	25
Jim # 6	56	25
Jim # 7	56	26
Jim # 8	56	26
Jim # 9	56	27
Jim #10	56	27
Jim #11	56	28
Jim #12	56	28
Jim #13	56	29
Jim #14	56	29
Jim #15	56	30
Jim #16	56	30
Jim #17	56	31
Jim #18	56	31
Jim #19	56	32
Jim #20	56	32
Jim #21	56	33
Jim #22	56	33
Jim #23	56	34
Jim #24	56	34
Jim #25	56	35
Jim #26	56	35
Jim #27	56	36
Jim #28	56	36
Jim #29	56	37
Jim #30	56	37
Jim #31	56	38
Jim #32	56	38

SEP 1962
GEOEX

331 - 396

NAME OF CLAIM	BOOK	PAGE
Jim #33	56	39
Jim #34	56	39
Jim #35	56	67
Jim #36	56	67
Jim #37	56	68
Jim #38	56	68
Jim #39	56	69
Jim #40	56	69
Jim #41	56	70
Jim #42	56	142
Jim #43	56	142
Jim #44	56	157
Jim #45	56	157
Jim #46	56	158

That the said mining claims are contiguous and constitute a single group and are owned by Robert M. Adams Company.

That the affiant is now, and has been since August 1959 employed as consulting mining and exploration engineer and geologist by Robert M. Adams Company, and that he is duly authorized to make this affidavit for and on behalf of the owner of the said property.

That between March 21, 1962 and April 26, 1962, at least Twenty-three Hundred Dollars ($2300.00) worth of work, not including the location work on the claims, was done and performed upon one or more of the claims for the benefit of all the said claims in the group.

That the work was performed by Heinrichs Geoexploration Company of Tucson, Arizona, at the request and expense of Robert M. Adams Company, as owner of said claims, for the purpose of complying with the laws of the United States pertaining to assessment or annual work for the assessment year ending September 1, 1962 at a cost in excess of $2300.00, and C. Valenzuela, R. D. Brown, D. F. Graff, M. S. Padilla, and J. W. Marlatt, employees of Heinrichs Geoexploration Company, all of Tucson, Arizona, were the men who performed the said work, and worked under the direct supervision of affiant as president and general manager of Heinrichs Geoexploration Company.

That this work consisted of road repair, laying out routes for new roads, blasting of rock for road improvement and general upgrading of the access routes into and on the claims.

Between May 2 and May 12, 1962 more than Two Thousand Four Hundred Dollars ($2,400.00) additional worth of work was done on these claims by Bear Creek Mining Company by agreement with and in behalf of Robert M. Adams Company, owner, and an affidavit for such work has already been duly filed and recorded in the Pinal County Courthouse on August 9, 1962, Docket 331, Page 1, No. 248099.

Walter E. Heinrich
Registered Engin

Subscribed and sworn to before me this the 10th day of September, 1962.

M. Jean Heinrich
Notary Public

My commission expires:

My Commission Expires July 20, 1965

STATE OF ARIZONA
County of Pinal } ss.

I hereby certify that the within instrument was filed and recorded at request of Heinrich Development
SEP 13 1962 -8:00 o'clock a.m.
In Docket DOCKET 333 PAGE 395
on page .....

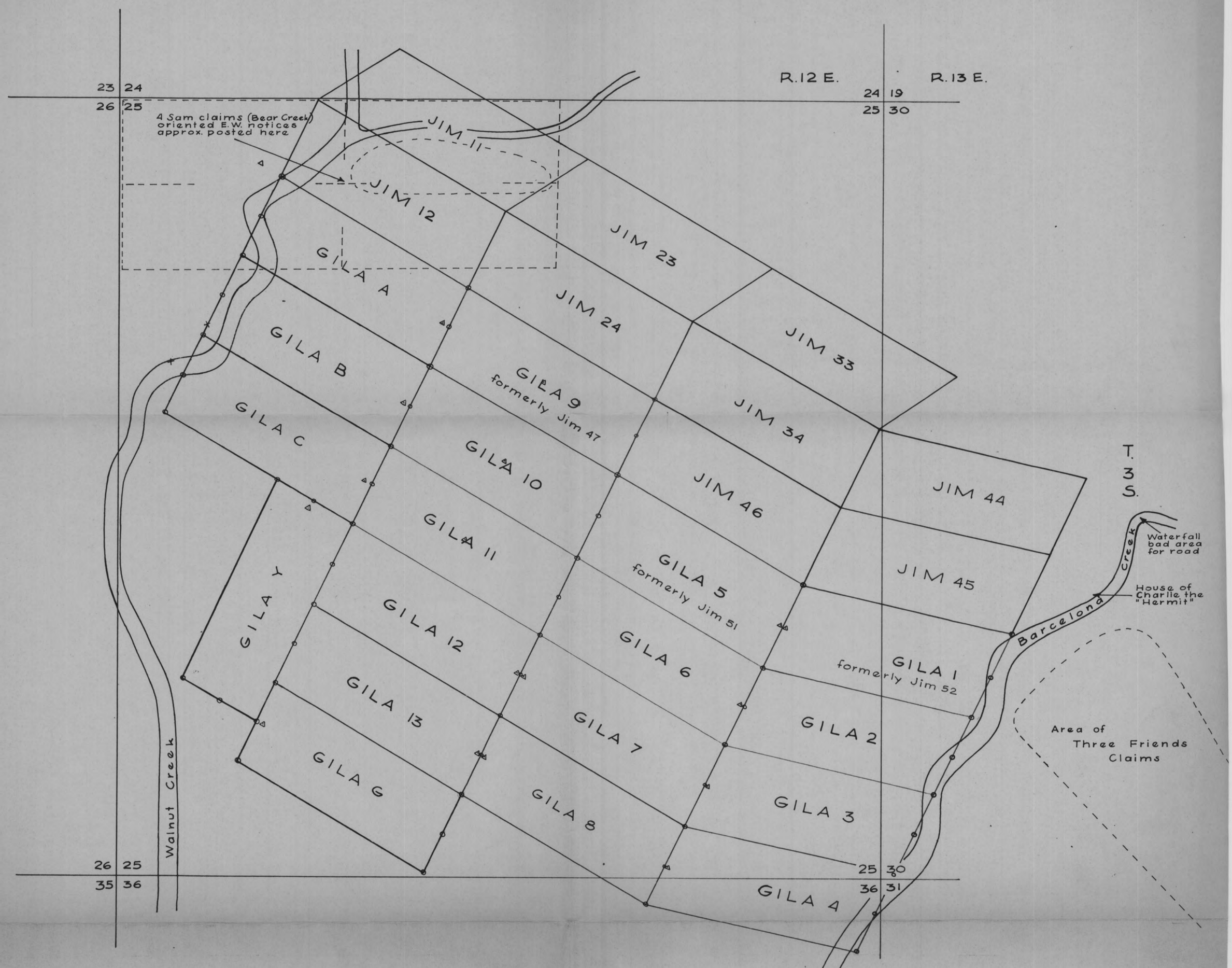
249719

Witness my hand and official seal the day and year aforesaid.

SOPHIE M. SMITH,
County Recorder
By Carol Ortega
Deputy Recorder

INDEXED COMPARED

BY 5671
Tucson



LEGEND

- o Section Corner & end centers
- Δ Location Monuments
- X Witness Corner

HEINRICHS GEOEXPLORATION COMPANY
P.O. Box 5671 **Tucson, Arizona**

GILA CLAIM GROUP

FOR
Robert M. Adams Co.

MINERAL CREEK MINING DIST.
Pinal County, Arizona

SCALE: 1" = 500'	**CONTOUR INTERVAL:**	**REVISIONS**
	DATA BY: E.G.H., J.W.M., F.A.S. & F.M.	
DATE: June 1962	**SHEET** **OF**	
DRAWN BY: I. B.	**DRAWING NO.:**	**FILE:**

September 10, 1962

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams,

FORTUNA

We have not yet received the information we need to enable us to complete an affidavit on the six claims to be held by geophysical work; i.e. the book and page numbers of the original locations for the Fortuna 8, Josephine, Tinaja and the Addition.

The assessment work for Fortuna 6, Fortuna 7, Fortuna 9 and the Esperanza consisted of deepening and enlarging two holes. One of these holes was above and on the east side of the main workings and this year's work broke through and in to the upper level. Considerable mineralization is exposed--galena, sphalerite, chalcopyrite and pyrite and should greatly enhance the picture if patent proceedings are ever started. The other hole enlargement, which was the cut dug for 1951 annual work on Fortuna 6 (a little south of center of the claim) showed nothing new megascopically.

An affidavit for these four claims has been prepared separately but we are awaiting the needed information for the other six claims in order that they may be recorded together.

GILA AND JIM

An affidavit for the Jim Claims has been sent to the Recorder in Florence and will be sent to you ~~with~~ when it is returned to us. The location holes on the five new Gila Claims have been completed.

Billings to date on both areas are enclosed. Because we have had to pay the contractor "out of pocket", your prompt payment of these statements will be most appreciated.

Sincerely yours,

JWM:jh
Enclosures: 3

J. W. Marlatt

July 21, 1962

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Gila Claim Group
Pinal County, Arizona

Dear Mr. Adams,

Enclosed you will find the recorded copies of the new Gila Claims, Gila A, B, C, G, & Y located on June 5, 1962 as per your instructions.

Also enclosed is a quit claim deed assigning the claims to you. I hope you find these papers in order.

The latest developments on the Gila Copper Project are as follows:

The dozer that moved in a few weeks ago moved out the next day and before we could contact them to do the location work for you. With your permission we will go ahead and subcontract the location work thru Sierrita Mining & Ranching Co. at the rate of approximately $150 per hole.

The results of our various conversations and chats with Goutariz (Three Friends Claim Group Hermit) is as follows:

1. he is willing to sell outright his interest in the Three Friends apparently only three claims still valid for $100.00 per claim.
2. An older claim named Oro Grande is in the same area and presumedly would be included.
3. The claims overlap portions of Walnut Canyon 14 but are not conflicting with the Gila Claims. The claims are poorly marked and identified in the field although considerable workings are visable.
4. The old gent's mind tends to wander from the subject in discussion and is difficult to pin down on anything but generalities, however, he says he is annoyed with his former partners (re: my letter July 27, 1961). What their present interest is in the claims is not known.
5. Bear Creek has not negotiated yet with the hermit although they mentioned they might.

In reference to your letter of July 16, 1962, we have been awaiting your advice before filing affidavits of labor on the Jim Claims and can do so as soon as we know which of the 23 claims you wish to apply the work to and the book and page number of the original recorded claim notices. If you do not have this information we could file without it. However, it would be best to identify the claims as well as possible on the instrument.

If you have any questions regarding the above, please let me know.

Your payment of our statement submitted for the claim survey would be most appreciated.

Very truly yours,

E. Grover Heinrichs

Enclosures:
1 quit claim deed
5 original recorded claim notices
Gila A, B, C, G, & Y

COPY

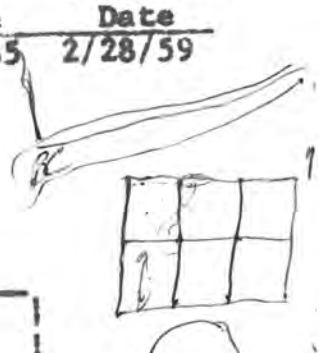
Request 4. No claims were noted as being specifically in the area between the Pioneer Group and N.E. to the Gila Group. This should be checked on the ground, also.

Request 5. (as below)

Claim Name	Locator	Recorded Doc.No.	Recorded Page	Location Date
Three Friends 1,2,3,4,5,6	Carlos Gortariz Vern Swindler T. L. Duncan 1416 E. Dunlap Sunnyslope, Ariz.	225	580-585	2/28/59

see sketch

4	5	6
1	2	3



Your letter of July 19, 1961 has been received along with 3 maps.

We have not contacted Mr. Wilson as yet however at the first opportunity we will contact him regarding future claims staked.

I think any bulldozer work done should be properly supervised so as to take proper advantage of terrain to gain accessability. Bulldozer pits do qualify for location work and this would be a logical way to handle your problem of assessment for this year.

I recommend that if you plan to acquire more ground that an initial reconnaisance be made of the area to determine the status on the ground. All that is practical has been done as far as Court House investigations are concerned; it is now mandatory to make a ground check.

Please let us know when you wish to start any future field work as present commitments may make it difficult to schedule a field crew without some advance notice.

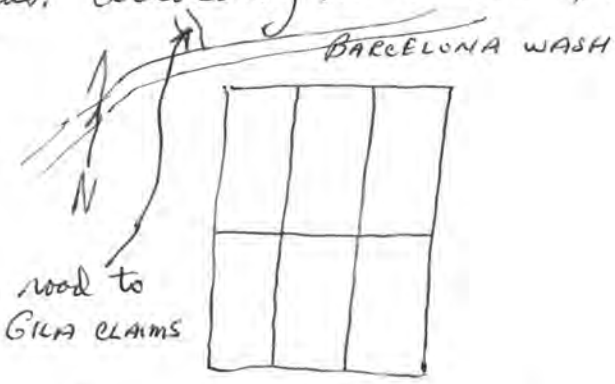
Very truly yours,

E. Grover Heinrichs
Vice President

EGH:cp
cc: Mr. D'Antonio

Results of talk with Charlie Cortarez in Barcelona Canyon
in reference to his claims - Three friends 1-6
July 9 + 10, 1962 Oro Grande and possibly others.

The Oro grande claim contains present work by Charlie and was staked about 1906. The Three friends claims - staked in 1959 - have been worked on but some of these may have been let go. Much work has been done in the area of these claims but I couldn't find out ~~which~~ the exact locations or numbers of the three Friends claims. According to Charlie, the claims are laid out this way



A trail starts at a campsite in the north end of these claims next to the wash and runs southerly to the various workings and to the ORO Grande claim, which may be overlapped by the 3 Friends. This overlapping is probable since it was not 3000 feet from the wash to the workings which Charlie said were on the ORO GRANDE.

Roughly then, these claims lie on the open ground (on the map) lying south of WALNUT CNYN 14 - and probably also overlap the walnut Cnyn claims to some extent.

Charlie is not happy with the performance of the other partners. He is willing to sell + wants to get out, for he is getting too old (78) to keep up the work.

The work includes a 35' shaft, a short drift and several short adits and gopherings on the veins + breccias in the area - gold being the primary metal sought - no copper was visible.

He remembers Bill Morlatt's visit and he once mentioned $100 per claim or $500 as a selling price.

He talked of a new partner (?) who was in California at the time, due back when things cooled off a bit, who wants to bring in some machinery for placering. Exactly where I don't know.

Fred Michel

Quit-Claim Deed

THIS INDENTURE, Made the 29 day of June, 1962, between Heinrichs Geoexploration Co. an Arizona Corporation

Grantor and Robert M. Adams of Duluth, Minnesota

Grantee,

WITNESSETH: That the said grantor, for and in consideration of the sum of $10.00 DOLLARS to in hand paid by the said grantee, the receipt whereof is hereby confessed and acknowledged, has, released and quit-claimed, and by these presents does release and quit-claim unto the said grantee, and to his heirs and assigns forever, all the right, title, interest, claim and demand which the said grantor has; in and to the following described property situated in the County of Pinal, and State of Arizona, to-wit: The following described unpatented mining claims of record in the Pinal County Court House, Florence, Arizona:

Claim Name	Recorded	Docket	Page
Gila A	June 18, 1962	327	98
Gila B	June 18, 1962	327	99
Gila C	June 18, 1962	327	100
Gila Y	June 18, 1962	327	101
Gila G	June 18, 1962	327	102

TO HAVE AND TO HOLD the same together with all the appurtenances thereunto belonging, to the grantee his heirs and assigns forever.

IN WITNESS WHEREOF, the said grantor has hereunto set his hand the day and year first above written.

E. Grover Heinrichs

E. Grover Heinrichs, Vice President
Heinrichs Geoexploration Co.

STATE OF ARIZONA,
County of ..... } ss.

I, ..., County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock.....M., on this.....day of....., 19....., and duly recorded in Book No.....of..... Records of..... County, Arizona, at pages.....

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

.....
County Recorder.

No.....

Quit-Claim Deed

Short Form

FROM

.....

TO

.....

.....

Dated ....., 19....

Filed and Recorded at Request of

.....

....., A. D. 19....

at ....., M.,

Book.....

Pages.....

.....
County Recorder.

By.....
Deputy Recorder.

My commission expires.....

.....
Notary Public.

STATE OF ARIZONA
County of ..... } ss.

On this the.....day of....., 19....., before me,

....., the undersigned Notary Public, personally appeared

.....

....., known to me (or satisfactorily proven) to be the

person..... whose name..... subscribed to the within instrument and acknowledged that..... executed the same for the purposes therein contained.

In witness whereof I hereunto set my hand and official seal.

My commission expires.....

.....
Notary Public.

STATE OF ARIZONA
County of ..... } ss.

On this the.....day of....., 19....., before me,

....., the undersigned Notary Public, personally appeared

.....

....., known to me (or satisfactorily proven) to be the

person..... whose name..... subscribed to the within instrument and acknowledged that..... executed the same for the purposes therein contained.

In witness whereof I hereunto set my hand and official seal.

My commission expires.....

.....
Notary Public.

Gila Adams Project

1. Inquire about purposed option submitted by MARLATT in April or MAY.

2. Has he made deal with B.C. NO

3. What is status of Three Friends Claim Group? ownership
   where are they?

4. Who put in disc. pits on Gila A?
   See Holt or MANCUSO where Dozer operated.

5 9 3 8
12

June 21, 1962

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Re: Gila Claim Group

Dear Mr. Adams,

Under separate cover we are mailing, this date, one sepia and one blue line print of the latest edition of the Gila Claim Group Map, showing the post locations of the new claims surveyed and other pertinent information such as Bear Creek's Sam Claims, and the area of the Three Friends Claims.

Your letter of June 16 arrived today. In answer to your questions regarding the Three Friends Claims, I think one day on the property will establish exactly where the claims are. The court house records are extremely vague as to location on the ground (re: our letter July 27, 1961). Our map shows the general location; this was established by asking the hermit(Carlos Gortariz, original locator) where his claims were located.

There is apparently no conflict with the Gila Claims or Jim Claims and it appears that the Three Friends Claims do join or overlap the Walnut Canyon 14. However, to definitely determine the location of Three Friends Claims a survey would be necessary. If you want this done, please let us know at your earliest convenience.

The "hermit" has not indicated his intentions on signing an option agreement. I don't think there would be any problem here if Bear Creek has not already tied him up. If you wish us to pursue this matter further let us know.

Bob Hold of Bear Creek called today to say a dozer came into Walnut Creek area yesterday and is not theirs, he thought it might be ours for your interest. We told him not. He will check further and let us know. We don't think it is Mitchell's because they have picked up his work. We have no idea who else it might be. It could be Duval but would seem best to come in

via Cochran rather than Walnut, so far as Duval is concerned.

This might be an opportune time to get some location work done on your new claims and save some money be using this dozer after he has completed his present assignment. Bear Creek have completed their location work and moved out.

We will keep you posted on any new developments.

Yours very truly,

E. Grover Heinrichs

EGH:jh

COPY

June 15, 1962

County Recorder
Pinal County Courthouse
Florence, Arizona

Dear Sir,

Enclosed find our check in the amount of $5.00 and notice of location (lode) for the following claims Gila A, Gila B, Gila C, Gila Y, and Gila G. Please record and return to:

HEINRICHS GEOEXPLORATION COMPANY
P. O. Box 5671
Tucson, Arizona

Very truly yours,

(Mrs W. E. Heinrichs, Jr.)
Secretary

j

Enclosures: 6

COPY

STATE OF ARIZONA }
COUNTY OF Pinal } ss

I hereby certify that the within instrument was filed for record in Pinal County, Arizona

Witness my hand and Official Seal.

No. 245751
Book 327 Page 98
Date: JUNE 18, 1962
Request of: A. Geck 8:00 A.M.

Indexed	Paged	Blotted
✓		

County Recorder

By CAROLYN Ortega
Deputy

Fee:

Conformed Copy

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the Gila A lode mining claim was located by Heinrichs Geoexploration Co. on 5 June, 1962. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 60° W - S 60° E and is situated in the Mineral Creek Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a easterly direction to the east center end monument or stake and 1450 feet in a westerly direction from the location monument or stake to the west center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is part of a contiguous group and is bounded on the north by JIM 12, on the east by Gila 9 and on the south by Gila B

Heinrichs Geoexploration Co.

by (s) Franklin A. Seward, Jr.
Locator Agent

Jim 12	
Gila A *	Gila 9
Gila B	

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA }
COUNTY OF Pinal } ss

I hereby certify that the within instrument was filed for record in Pinal County, Arizona

Witness my hand and Official Seal.

Indexed	Paged	Blotted

County Recorder

By CAROLYN ORTEGA
Deputy

No. 245752
Book 327 Page 99
Date: June 18, 1962 8:00 A.M.
Request of: H. Geoex

Fee:

Conformed Copy

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the Gila B lode mining claim was located by Heinrichs Geoexploration Co. on 5 June, 19 62. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 60° W - S 60° E and is situated in the Mineral Creek Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a easterly direction to the east center end monument or stake and 1450 feet in a westerly direction from the location monument or stake to the west center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is part of a contiguous group and is bounded on the north by Gila A, on the east by Gila 10 and on the south by Gila C.

Heinrichs Geoexploration Co.

(s) Franklin A. Seward, Jr.
Locator (Agent)

Gila A	
Gila B *	Gila 10
Gila C	

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA }
COUNTY OF Pinal } ss

I hereby certify that the within instrument was filed for record in Pinal County, Arizona

Witness my hand and Official Seal.

Indexed	Paged	Blotted

County Recorder

By CAROLYN Ortega
Deputy

No. 245753
Book 327 Page 100
Date: June 18, 1962 8:00 A.M.
Request of: H. Geoex

Fee:

Conformed Copy

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the Gila C lode mining claim was located by Heinrichs Geoexploration Co. on June 5, 1962. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 60° W - S 60° E and is situated in the Mineral Creek Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a easterly direction to the east center end monument or stake and 1450 feet in a westerly direction from the location monument or stake to the west center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is part of a contiguous group and is bounded on the east by Gila 11 and on the north by Gila B

	Gila B *	Gila 10
	Gila C *	Gila 11
	Gila Y	Gila 12

Heinrichs Geoexploration Co.
by: s) Franklin A. Seward, Jr.
Locator (Agent)

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA }
COUNTY OF Pinal } ss

I hereby certify that the within instrument was filed for record in Pinal County, Arizona

Witness my hand and Official Seal.

Indexed	Paged	Blotted

County Recorder

By CAROLYN ORTEGA
Deputy

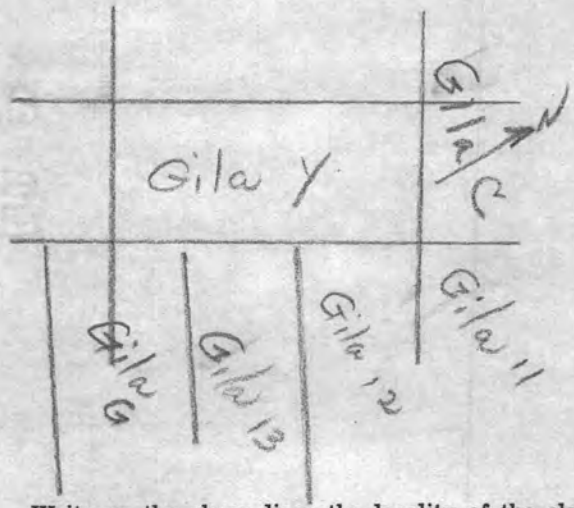
No. 245754
Book 327 Page 101
Date: June 18, 1962 8:00 A.M.
Request of: H. Geoex

Fee: Conformed Copy

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the Gila Y lode mining claim was located by Heinrichs Geoexploration Co. on 8 June, 1962. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 26° E and is situated in the Mineral Creek Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a northerly direction to the north center end monument or stake and 1450 feet in a southerly direction from the location monument or stake to the center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is part of a contiguous group and is bounded on the north by Gila C, on the East by Gila 12, 13 and Gila G



Heinrichs Geoexploration Co.

by: Fred A. Michel, (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

STATE OF ARIZONA }
COUNTY OF Pinal } ss

I hereby certify that the within instrument was filed for record in Pinal County, Arizona

Witness my hand and Official Seal.

Indexed	Paged	Blotted

County Recorder

By CAROLYN ORTEGA
Deputy

No. 275755
Book 327 Page 102
Date: JUNE 18, 1962 8:00 A.M.
Request of: H. Geoex

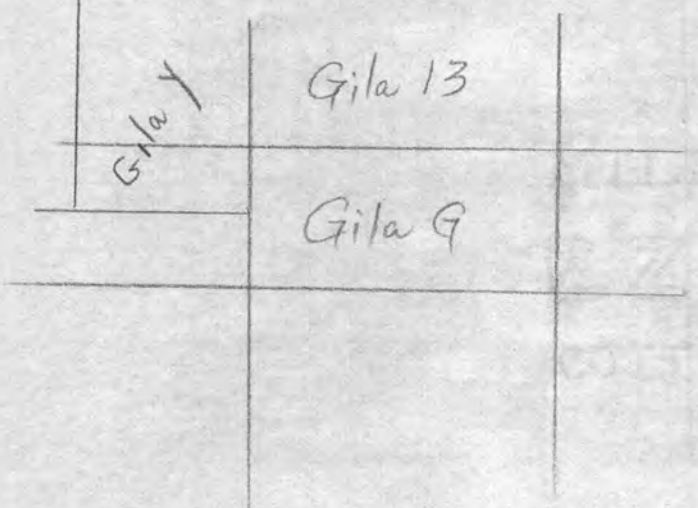
Fee:

Conformed Copy

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the Gila G lode mining claim was located by Heinrichs Geoexploration Co. on 8 June, 1962. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 60° W and is situated in the Mineral Creek Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a westerly direction to the west center end monument or stake and 1450 feet in a easterly direction from the location monument or stake to the east center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is part of a contiguous group and is bounded on the north by Gila 13 and on the west by Gila Y



Heinrichs Geoexploration Co.

by: Fred A. Michel, (Agent)
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Phone MAin 3-9481
P. O. Box 5574

MANN *Lumber Co.*

1909 NORTH STONE AVENUE

"Mann!! - That's Good Lumber"

No. 61799

Lumber
Cement
Lime
Plaster

ORDER NO.

Sold To Heinrich's Geox Tucson, Arizona, May 24 1962

Address Job Address

Pieces	DESCRIPTION	Feet	Total Feet	Price	Amount
32	- 2x2 - 4' Const DF S4S				

Jim Reeves

Adams
Gila.

$7.45

Celotex Products

Roofing

Benjamin Moore Paint

Builders Hardware

CUSTOMER'S COPY

All accounts due and payable 10th of month following purchase

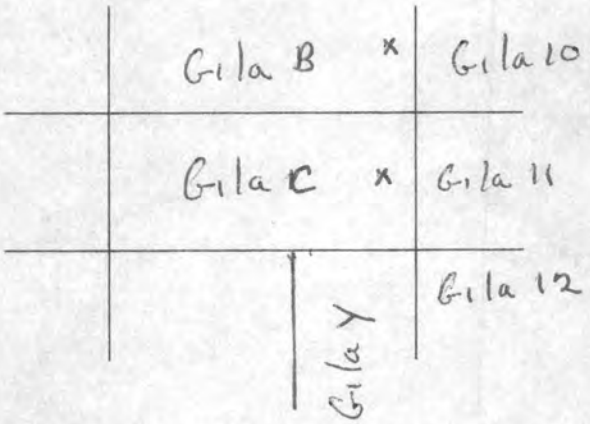
Rec'd by Del. by

ALL claims and returned goods MUST be accompanied by this bill

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the Gila C lode mining claim was located by Heinrichs Geoexploration Co. on 5/June, 19 62. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 60° W - S 60° E and is situated in the Mineral Creek Mining District, Pinal County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a easterly direction to the East center end monument or stake and 1450 feet in a Westerly direction from the location monument or stake to the West center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is part of a contiguous group and is bounded on the east by Gila 11 on the north by Gila B



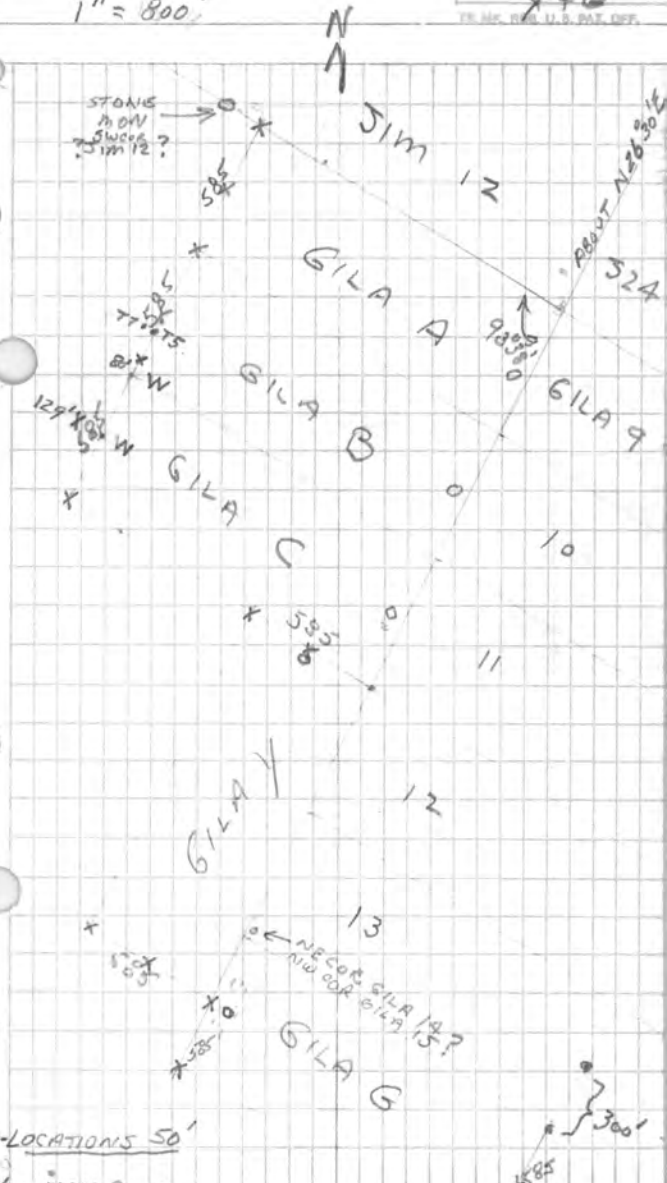
Heinrichs Geoexploration Co.
By Franklin A. Seward Jr. Agent
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

JUNE 5-8, 1962

ADAMS
GILA A, B, C
X + G

SCALE,
1" = 800'



O-LOCATIONS 50'

X - MON. BUILT

ORIGINAL COPR. 1960 BY A. G. PARKER
MADE IN U.S.A.
LEFAX, PHILADELPHIA, PA.

Ch is 1' or less at 500' 7AM
up to 10° VL
(ADD 1' at 10° FOR EACH 500')

June 6 (1)
ADAMS
GILA A-C

STA TO

NEC A SEC B 0° 00' 00"
SWC J12? 93° 38' 00"

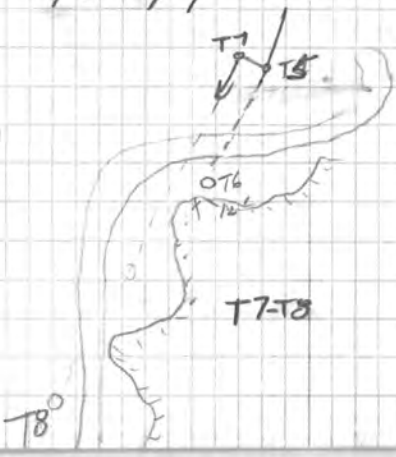
(N60W)		D	L	HD
NEC A	T1	985	15°	919
	T2	310	8°22	304
NWC A		270	10°	262
				1485'

NWC A WCE A END LINE SET 86°22'00"

T4	960	10°30'	928 ?
T3	724	7°40'	711

T4 - NWCA	962	10°	935
T4 - T5	38	0	38
		NWCA - T5	973'
T5 - T6	220	23°22'	185

OFFSET AT T4 90°W 34'
TO T7



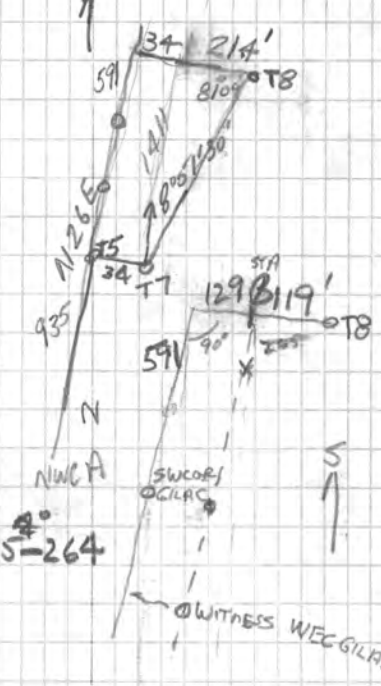
ADAMS
GILA A-C

H = DX

T7 - T8
1435 feet 1411
V - 7° 30'
H - 8°51' 30"

214 + 34 = 248'
119
129

1755
935
820
1411
820
591



STA B-T8 265-264

292.5
223.0
69.5

314
27
287

351
27
324

293
27
320

292.5

54
85
5
639

293
300
593

675
593
82

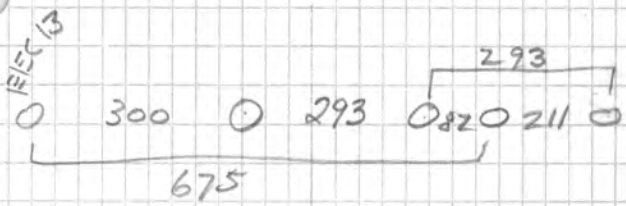
293
82
211

ADAMS (3)
GILA - 6

TR. MK. REG. U.S. PAT. OFF.

SW COR 13 - TPA 223'
TPA - WCE(G) 70'
293'

ECE 13 — TP 678 3°30' 675'



ORIGINAL COPR. 1910 BY J. B. PARKER
MADE IN U.S.A.
LEFAX, PHILADELPHIA, PA.

900.0
22.5
877.5

15
3
82.5

585.0
292.5
877.5

935.0
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57.5

585
3
1755

585
585
1170
973
197

923.0

93 40
26 00
119 40

93° 20
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93 37
7.22
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5776
722
12.996

179 60
119 40
60 20

1485
919
566

9.85
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6895
5910
65.995

985.00
66.
919.

N60

186° 22'

93°38'

9.85
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6895
5910
6.5.995

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3507
1223
1485
1223
262

720.0
35.2
184.8

9.62
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28860

179 60
93 38
86 22

3.3
9.60
1980
297
31.680

962
294
933

3.96
3.3
1188
1188
13068

396
13
383

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA A lode mining claim was located by HEINRICHS GEOEXPLORATION CO. on 5 JUNE, 1962. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N60°W - S60°E and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a EASTERLY direction to the EAST center end monument or stake and 1450 feet in a WESTERLY direction from the location monument or stake to the WEST center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

THIS CLAIM IS PART OF A CONTIGUOUS GROUP AND IS BOUNDED ON THE NORTH BY JIM 12, ON THE EAST BY GILA 9 AND ON THE SOUTH BY GILA B

	JIM 12	
	GILA A	GILA 9
	GILA B	

HEINRICHS GEOEXPLORATION CO.
By [signature]
Locator
AGENT

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA B lode mining claim was located by HEINRICHS GEOEXPLORATION CO. on 5 JUNE, 1962. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N60°W – S60°E and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a EASTERLY direction to the EAST center end monument or stake and 1450 feet in a WESTERLY direction from the location monument or stake to the WEST center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

THIS CLAIM IS PART OF A CONTIGUOUS GROUP AND IS BOUNDED ON THE NORTH BY GILA A, ON THE EAST BY GILA 10 AND ON THE SOUTH BY GILA C.

HEINRICHS GEOEXPLORATION CO.

by Franklin A. Seward Jr. AGENT

Locator

GILA A	
GILA B	GILA 10
GILA C	

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the GILA C lode mining claim was located by HEINRICH'S GEOEXPLORATION CO. on 5 JUNE, 19 62. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 60° W - S 60° E and is situated in the MINERAL CREEK Mining District, PINAL County, Arizona. This claim runs from the location monument or stake on which the notice is posted 50 feet in a EASTERLY direction to the EAST center end monument or stake and 1450 feet in a WESTERLY direction from the location monument or stake to the WEST center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

THIS CLAIM IS PART OF A CONTIGUOUS GROUP AND IS BOUNDED ON THE EAST BY GILA 11 AND ON THE NORTH BY GILA B.

HEINRICH'S GEOEXPLORATION CO.
BY Franklin Heinrich AGENT
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Fees -	705.00
11 Vehicle days	110.00
725 mi.	72.50
meals	77.43
Lodging	60.76?
Posts, etc	34.00
	959.69
Recording Fees	5.00
	$1064.69

$174.83 / claim

CREW EXPENSE STATEMENT
STATISTICAL REPORT

PROJECT: Adams - Gila
CLIENT: R. A. Adams
AREA: Gila

1.25
36
750
375
2500

MONTH: June/62.
TYPE WORK: Claim Loc.

DATE	CREW	HOURS MAN	HOURS CREW	VEHICLES	MILES	EXPENSES MOTEL	MEALS	OTHER	Chgs ~~PHONE~~	REMARKS
Mon. 4/June	FAS D.H. F.M. J.R	10 10 10 10	40	D. P/U JSW Personel	135 132 94		18.40 (4 men)	Fuel Pump $21.56 Ice .50	125	Jeep Fuel Pump out locate Roads etc in field.
Tues. 5	FAS FM DH JR	11 11 11 11	44	Dodge P/U JSW	45 43		21.95		125	Repair Jeep in Field travel to Kay return survey 12:00 — 6-TT, 6-7
Wed. 6	FM DH JR	9 9 9	27	JSW Personel	37 37		15.74	TIRE RPR. $1.00 ICE .45	125	Repair tire Survey 8am 2:00 PM — GILA ABC
Thurs. 7	JM DH JR	~~9~~ 10 ~~9~~ 10 ~~9~~ 10	30	JSW Personel	~~37~~ 43 37		15.65	ICE .45	125	SURVEY 6 — 2:00 — GILA ABC
Fri. 8	JM DH JR	12 12 12	36	JSW Personel	~~43~~ ~~37~~ 122		5.69	ICE .25	125	SURVEY 6 — 1:30 GILA Y+6 RETURN TO TUCSON
									625	
Sat. 9 Mon 11 Wed 13 Fri 15	F.M. F.A.S.	? ?	4 partial staff days compilation, recording etc charge 1 day @ 80.00/day						80.00 77.43 72.50	Fred left data & went over w/ Frank etc. 1hr ± ?
Sun.				11 vehicle days	725 mi		77.43	NB!		We now need a (reproducible) map to record all results & info — check w/ Adams re: location pits & recording of notices at Florence Court House

HEINRICHS GEOEXPLORATION COMPANY, P. O. BOX 5671, TUCSON, ARIZONA

$5.00 - recorder Fee

May 11, 1962

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

Received your letter of 8 May 1962 concerning the Hermsdorf property and also the related copies of letters from Mr. Verity to you of 13 April and yours to him of 8 May.

Mr. Stranahan and Mr. Lichty are both former employees of Ventures Ltd. and now on their own. They have a small operating company engaged in exploration and development matters. As far as I am able to determine they are entirely reputable, conscientious individuals interested in exploration and development and not stock promotion schemes. As such, their interest undoubtedly would be to first determine whether Hermsdorf property might fit their interests and capabilities to at least the extent of justifying an inspection trip to the property and if still of interest, to negotiate some appropriate type of agreement with you.

As you know, Vic Verity is in the thros of re-establishing his offices in addition to being out of town until this week when I finally was able to contact him.

GILA

We have been completely swamped here, of late, and hope to be able to get a qualified man locating the five new A, B, C, Y and G claims on the Gila property. Incidently in regard to this, do you want us to proceed completely with all six posts per claim and one location pit per claim? or will you be able to talk Bear Creek into digging the pits as an adjunct to the additional assessment obligations they have assumed on the other claims?

Bear Creek has been furnished a copy of a map showing the proposed location of the new claims.

At least until the summer rains, there is now presently two good access routes into the area down both Barcelona and Walnut Creeks. This will certainly help expedite matters, for the time being at any rate.

Very truly yours,

HEINRICHS GEOEXPLORATION CO.

Walter E. Heinrichs, Jr.
President & General Manager

WEH:jh

COPY

April 20, 1962

Mr. Robert M. Adams
Hotel Barclay
New York, N. Y.

Dear Mr. Adams:

The attached letter was written by Mr. Bill Marlatt just before he had to leave for a job in Washington State.

Do you have any information in your files regarding the date type and location of any location pits or location work done on any of the Jim Claims? At least on the southwest portion of the group where we are now working. All we have found to date are some unidentified rock monuments. One map in our files infers that these claims may have been at least very roughly surveyed by someone in the past, but from evidence on the ground we cannot be certain. Because of the inaccessibility, a certain lack of location work is not necessarily too worrysome now, but we wish you to be fully aware of the situation. While the present work will materially aid in this matter, as now set up, it of course only serves to temporarily hold the group. Eventually to safely hold the claims indefinitely, they would have to be checked out individually and the legally required work completed where obviously not previously done.

As to Bear Creek's new Sam Claims, it is their common practice to more or less indiscriminately, without much regard to overlap, lay out large groups to cover any possibly open ground and to adjust or retreat later as necessary. This is especially true in very rugged and inaccessible country like this. Also, in this case, they are apparently applying the excuse, in noting a possible lack of location work, that the ground needs their own additional protection from other third party entry and regardless, in any event, they apparently are coming in with their own coverage from the north and west anyway.

Either way, this should not particularly bear on price considerations with Bear Creek. However, Walthier likely might bring up this point to bargain the price down, but I very seriously doubt they would actually initiate adverse

claimant action against you on any such conflict, even though they so inferred. On the other hand, I also remind you that technically no one really has any claims until in place mineral is discovered on each claim. At present, this is lacking on many if not most of everyones' claims in the area and might only be perfected by drilling wherein the first one with a hole down wins.

Therefore, in summation, Bear Creek's most obvious probable intention is to tie up the most area for longest and safest period possible and for the least cost to them, consistent with all factors of competition, activity, risk, positive evidence, knowledge, interest and encouragement encountered as they proceed.

Very truly yours,

Walter E. Heinrichs, Jr.

WEH:jh
cc: Duluth

COPY

April 20, 1962

Mr. Robert M. Adams
Hotel Barclay
New York, N. Y.

Dear Mr. Adams:

We have seen Bear Creek people in the Gila area on several occasions and seen signs of them on other occasions. They staked some claims known as the Sam Claims of which we found notices for the Sam 31, 32, 33, 34 in the vicinity of the Jim 12 Claim, in fact their notices are on the Jim 12 Claim. The notices are dated 28 March 1962, made out in the name of Partick T. deWilliam and signed by Fred Michelle. Also, our men have seen survey crews there putting markers on the ground at section corners and on cliffs for triangulation and stated there was to be an aerial survey. Today, our man phoned and said he saw a Bear Creek induced polarization crew in Walnut Canyon.

Concerning Fred Mitchell--I talked to him again at his house and he was friendly but quite adamant that he will not discuss anything about an option, or any of his thinking, or reasons against the previous proposed agreement, until the present law suit is completely settled. On trying to find out from him what he did not like about the previous agreement he would not commit himself with the exception that he thought there was something in it about him having to guarantee that there would be no one on the ground when the Adams people took over the ground and he said this he could not guarantee to do. However, I doubt if this is truly the full reason why he would not sign the option previously. He says as soon as the law suit is settled he will get in touch with us and we believe he will.

As for the old hermit, Charlie or Carlos, he has been given a paper which he is to take to his friend, a justice of the peace in the nearby village of Sonora close to Ray, for his perusal and advice to Charlie about whether to sign or not. This paper is essentially an agreement by Charlie to sign an option in the near future. As far as we have been able to determine, he has two claim groups, one of three claims

and one of six claims, all apparently known as The Three Friends. Probably the six claim group is too far south down near the Gila River to be of interest. The three claim group apparently is the one that lies east and southeast of Barcelona Creek from where he lives and contains what he refers to as his "mine" which Mitchell describes as being some little stringers of fine gold about 1/4 inch wide. As near as we can determine, there is no conflict with any of this man's ground with the present Gila or Jim groups though there might be a conflict with some of the old Walnut Canyon Claims. However, we doubt this too. Apparently the only piece of ground in any conflict at all is the homesite of Charlie's, but it wouldn't hurt to proceed with the attempt to tie him up on a reasonable low cost long term option. Charlie has stated that the other two of the three friends are no longer involved in this claim group but that he and his sons are now the owners. How real this is, I do not know. The man is Mexican, old and it is very difficult to talk to him. So far, we have not been able to get him to actually show us the monuments on the ground because of his condition and without him, they would be very difficult to find.

We are enclosing a sketch with the area on the Jim Claim marked where the new Bear Creek notices were observed and also the approximate direction and general area from Barcelona Creek where Charlie's Three Friends Claims may be.

Concerning the Fortuna: There is nothing new there except that we mailed you the recorded notices of the new claims. They should be at your office now in Duluth.

This essentially is somewhat of a negative report to the questions you are concerned with. If you have any further questions, call us before meeting with Walthier on the 24th, otherwise call us after your meeting and let us know about the status of keeping a man up there on the Gila.

Very truly yours,

J. W. Marlatt

JWM:jh
cc: Duluth

COPY

Received from B.C.
8/28/62

AFFIDAVIT OF LABOR PERFORMED
AND IMPROVEMENTS MADE

STATE OF _____)
) ss
COUNTY OF _____)

Robert M. Adams, being first duly sworn, on his oath deposes and says;

That he is a citizen of the United States and more than twenty-one years of age, and resides at Fidelity Building, Duluth, in the County of Douglas, State of Minnesota;

That he is personally acquainted with the following mining claims, located in the Mineral Creek Mining District, in Pinal County, Arizona, the location notices of which are of record in the office of the County Recorder of Pinal County, Arizona, in the dockets and at the pages shown, as follows:

NAME OF CLAIM	BOOK	PAGE
Jim # 1	56	23
Jim # 2	56	23
Jim # 3	56	24
Jim # 4	56	24
Jim # 5	56	25
Jim # 6	56	25
Jim # 7	56	26
Jim # 8	56	26
Jim # 9	56	27
Jim #10	56	27
Jim #11	56	28
Jim #12	56	28
Jim #13	56	29
Jim #14	56	29
Jim #15	56	30
Jim #16	56	30
Jim #17	56	31
Jim #18	56	31
Jim #19	56	32
Jim #20	56	32
Jim #21	56	33
Jim #22	56	33
Jim #23	56	34
Jim #24	56	34
Jim #25	56	35
Jim #26	56	35
Jim #27	56	36
Jim #28	56	36
Jim #29	56	37
Jim #30	56	37
Jim #31	56	38
Jim #32	56	38

NAME OF CLAIM	BOOK	PAGE
Jim #33	56	39
Jim #34	56	39
Jim #35	56	67
Jim #36	56	67
Jim #37	56	68
Jim #38	56	68
Jim #39	56	69
Jim #40	56	69
Jim #41	56	70
Jim #42	56	142
Jim #43	56	142
Jim #44	56	157
Jim #45	56	157
Jim #46	56	158

That between May 2 and May 12 more than TWO THOUSAND FOUR HUNDRED DOLLARS ($2,400.00) worth of work and improvements was performed on and for the benefit of the above claims by and at the expense of BEAR CREEK MINING COMPANY by agreement with and in behalf of Robert M. Adams, the owner of said claims, for the purpose of complying with the laws of the United States and the State of Arizona pertaining to assessment of annual work.

This work consisted of a geophysical survey - Induced Polarization - see enclosed maps, attached data sheets and cost estimates.

_____

SUBSCRIBED and sworn to before me this _____ day of _____, 1962.

_____
Notary Public

My Commission Expires:

_____

ESTIMATE OF COSTS BY GEOPHYSICS DIVISION

IP - Copper Buttes, Pinal County, Arizona

(Project Name and District)

4/61-121/3

I. Interval covered by Cost Estimates

From: May 2, 1962 To: May 12, 1962

Number of Days Lapsed Time: 11

			Incurred by GP Div.	Incurred by District	Total
II. Direct Costs					
(a)	8	TMD(1) Wages @ $40.00	320		320
(b)	32	NTMD(1) Wages @ $20.00	640		640
(c)	11	TMD Expenses @ $20.00(2)	220		220
(d)	44	NTMD Expenses @ $14.00(2)	616		616
(e)					
		Total Direct Costs	1796		1796
III. Indirect Costs					
(a) Supervision and Overhead					
	8	TMD @ $50.00	400		400
(b) Depreciation on Equipment(3)					
	$6/day	Jeep #19	48		48
	$1/day	Jeep #16	40		40
	$2/day	1 set IP Equip	96		96
	$1/day/radio	4 radios	32		32
(c)					
		Total Indirect Costs	616		616
		TOTAL COSTS	$2412		$2412

Notes:

(1) TMD = Technical man-days; NTMD = Non-technical man-days

(2) Expenses include travel, normal vehicle expenses, miscellaneous supplies, food and lodging.

(3) Depreciation on equipment is not an allowable expense when filing cost estimates for assessment work expenditures. Estimate of Cost Sheets for our own records should include these items, but they should not appear on Cost Estimates filed for assessment work.

Date: May 14, 1962 Signed: [illegible] (Crew Chief)

(over)

IV. Distribution of Costs by Methods Used:

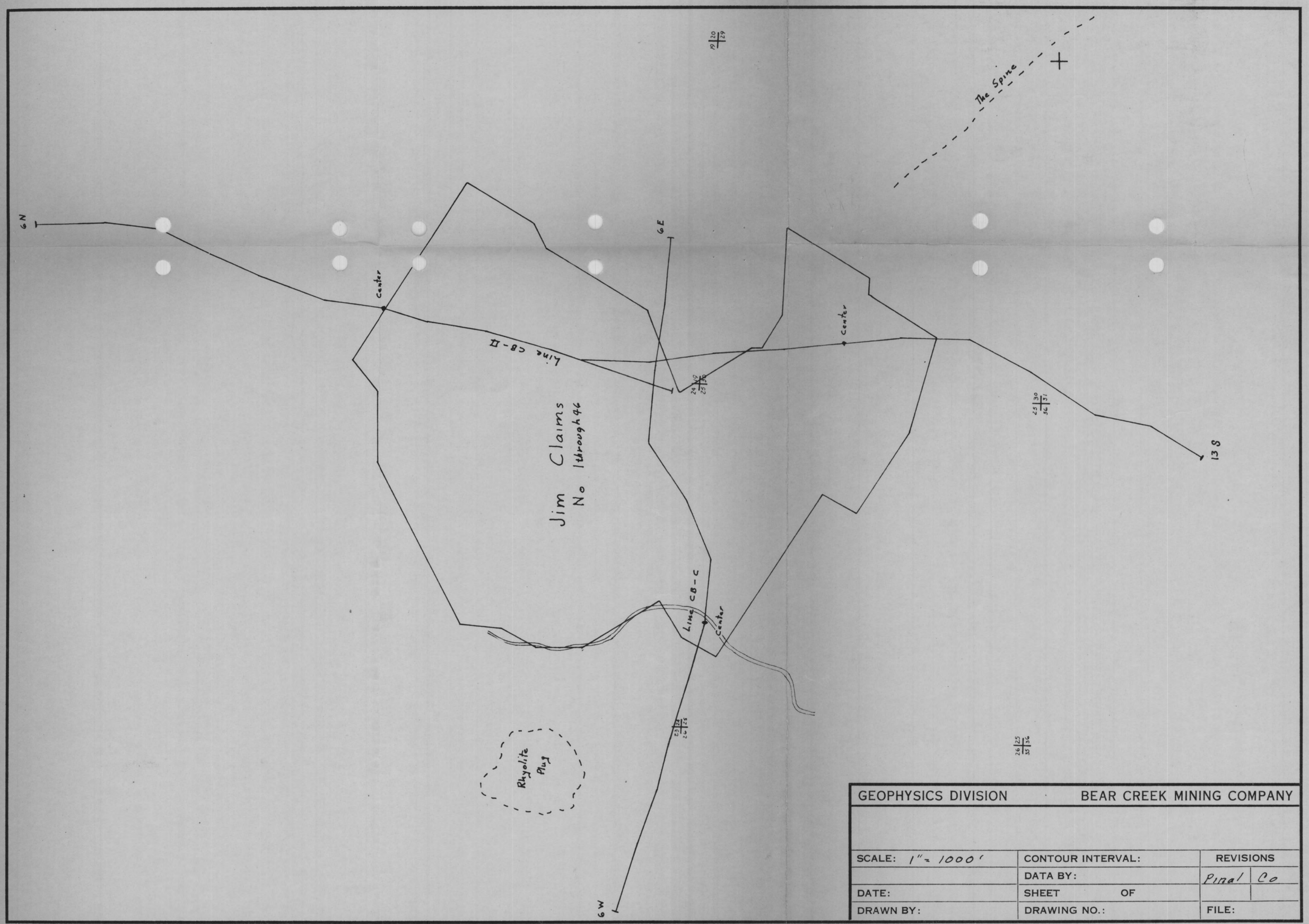
(a) Time Basis:

Geophysical Method	Line Miles or No. of Stations	Percent of Lapsed Time	Cost	Cost per Line Mile (Station)(4)	Cumulative Progress	Cumulative Costs	Av. Cost per Line Mile (Station)(4)	
IP-1000' Dipoles	59 Line Miles	100%	$ 2412	$409/Line Mile	59 Line Miles	$ 2412	$409/Line Mile	
TOTALS		100%	$ 2412		59 Line Miles	$ 2412		

(b) Cost Index Basis:

Geophysical Method	Line Miles	Cost Index	Units	Cost	Cost per Line Mile	Cumulative Progress	Cumulative Costs	Average Cost per Line Mile
TOTALS								
		Cost per Unit						

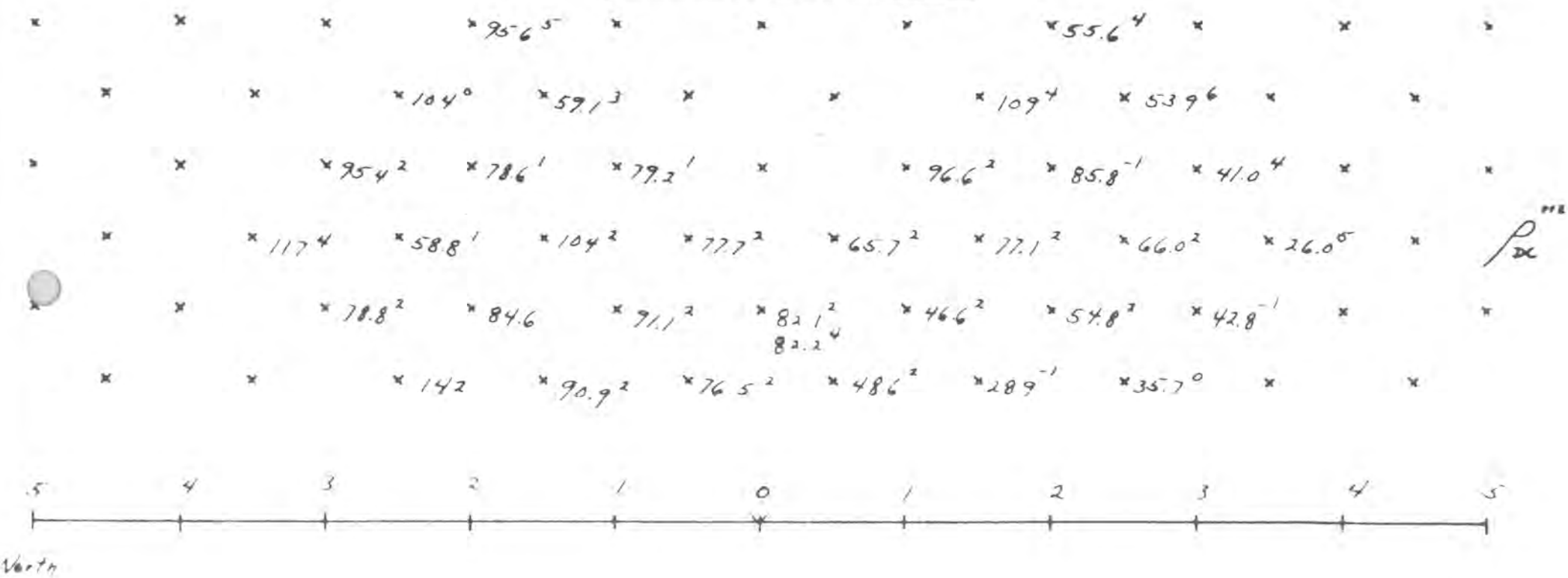
(4) Indicate whether per line mile or station basis by deleting one or the other entry



GEOPHYSICS DIVISION		BEAR CREEK MINING COMPANY
SCALE: 1" = 1000'	CONTOUR INTERVAL:	REVISIONS
	DATA BY:	Pinal Co
DATE:	SHEET OF	
DRAWN BY:	DRAWING NO.:	FILE:

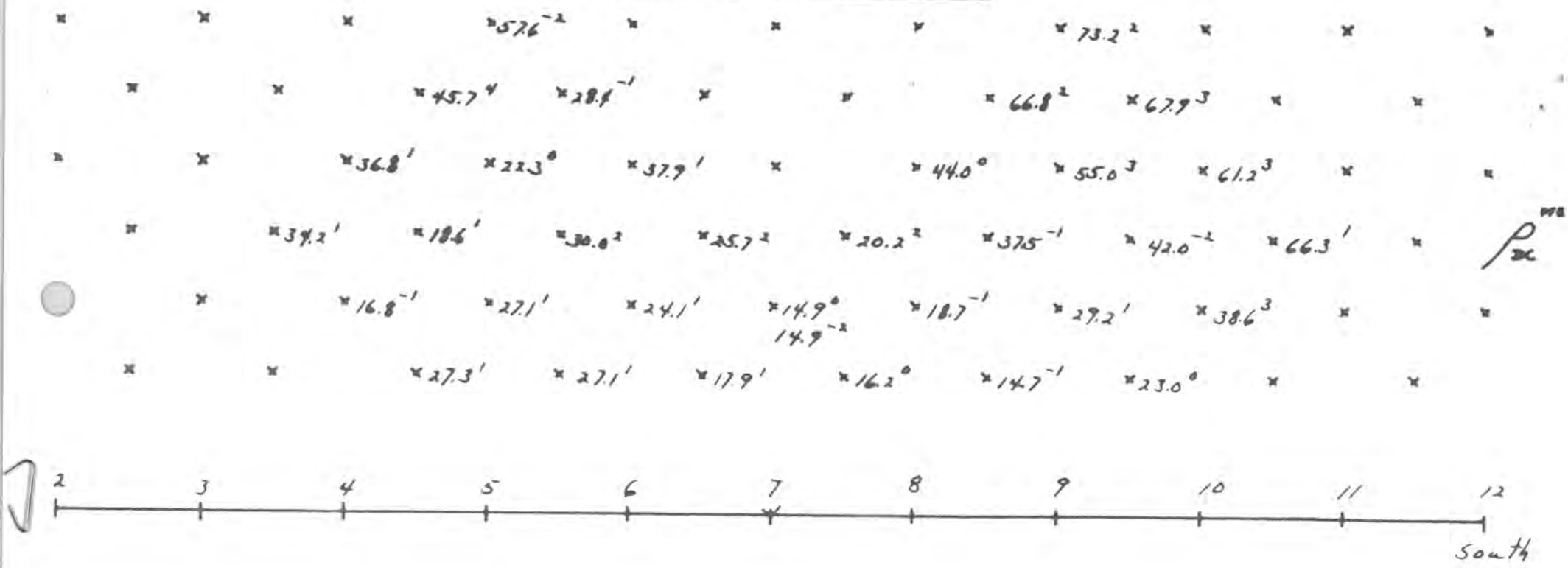
RIDGWAY-1020—2-60

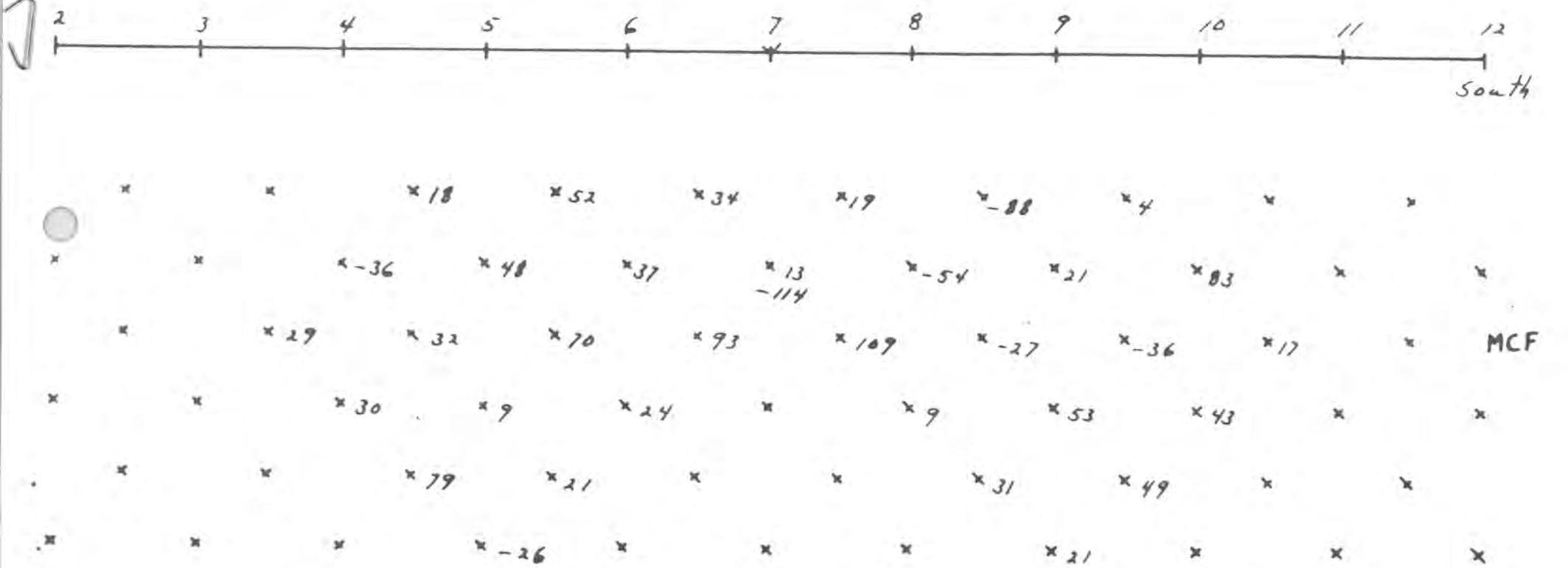
INDUCED POLARIZATION WORK SHEET



Area Line 6 E Scale 1" = 1000' Date May 2, 1962

INDUCED POLARIZATION WORK SHEET





Area Line CB - II Scale 1" = 1000' Date May 8, 1962

HRE

INDUCED POLARIZATION WORK SHEET

38.0[1] (16.4)

32.5[5] 26.0[2] 51.2[4] 19.1[0] 17.0[-5]

30.6[6] 42.3[6] 22.3[2] 44.7[1] 23.0[6] 24.8[4] 18.2[0]

31.7[7] 49.7[5] 56.4[6] 45.0[3] 44.3[3] 28.7[0] 28.1[3] 27.2[5]

49.5[4] 45.3[3] 49.2[3] 25.8[2] 29.9[2] 26.1[3]

ρ_{DC} mho

5 4 3 2 1 0 1 2 3 4 5

East

73 75 69 85 67 115

221 107 108 60 61 11 121 169

180 147 94 31 274 177 6

MCF

166 96 70 11 -288

24

Area Line CB - C Scale 1" = 1000' Date May 11, 1962

HRE

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

August 22, 1962

AUG 1962
GEOEX

Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Gentlemen:

RE GILA-JIM CLAIMS

It was called to my attention today that there are two matters on which you have been awaiting advice from me before prodeeding thereon--the filing of affidavits covering work performed by you last spring on the Jim Claims group, and the location work on our five new claims, Gila A, Gila B, Gila C, Gila Y and Gila G.

As to the filing of affidavits on the Jim Claims, we believe this work should be applied to the claims as a group, listing in the affidavit all 46 of the Jim Claims and referring to the work done by Kennecott (Bear Creek); and I quote from the affidavit filed August 9 by Kennecott:

> "That between May 2 and May 12 more than TWO THOUSAND FOUR HUNDRED DOLLARS ($2,400.00) worth of work and improvements was performed on and for the benefit of the above claims by and at the expense of BEAR CREEK MINING COMPANY by agreement with and in behalf of Robert M. Adams, the owner of said claims,----."
>
> "This work consisted of a geophysical survey - Induced Polarization - see enclosed maps, attached data sheets and cost estimates."

In the affidavit the 46 claims are listed with book and page of the recorded location notices, as follows:

NAME OF CLAIM	BOOK	PAGE
Jim # 1	56	23
Jim # 2	56	23
Jim # 3	56	24
Jim # 4	56	24
Jim # 5	56	25
Jim # 6	56	25
Jim # 7	56	26
Jim # 8	56	26
Jim # 9	56	27
Jim #10	56	27
Jim #11	56	28
Jim #12	56	28
Jim #13	56	29
Jim #14	56	29

Jim #15	56	30
Jim #16	56	30
Jim #17	56	31
Jim #18	56	31
Jim #19	56	32
Jim #20	56	32
Jim #21	56	33
Jim #22	56	33
Jim #23	56	34
Jim #24	56	34
Jim #25	56	35
Jim #26	56	35
Jim #27	56	36
Jim #28	56	36
Jim #29	56	37
Jim #30	56	37
Jim #31	56	38
Jim #32	56	38
Jim #33	56	39
Jim #34	56	39
Jim #35	56	67
Jim #36	56	67
Jim #37	56	68
Jim #38	56	68
Jim #39	56	69
Jim #40	56	69
Jim #41	56	70
Jim #42	56	142
Jim #43	56	142
Jim #44	56	157
Jim #45	56	157
Jim #46	56	158

On the Gila Claims, Nos. 1 through 13, Kennecott's affidavit filed reported that between May 2 and May 31 more than $1300 worth of work and improvements were made; that the work consisted of an access road built by Sierrita Mining and Ranching Company, Twin Buttes, Arizona at a cost of $1,750.

The net result is that on the whole group we have $2300 plus and Kennecott has $2400, opposite the 46 Jim Claims, and on the Nos. 1-13 Gila Claims Kennecott reports $1300.

Regarding the location on the five new Gila claims, a confirmation copy of wire being sent you tomorrow morning will be enclosed with this letter. Actually, I was under the impression that you had gone ahead with Sierrita Mining & Ranching Company, and in my wire I ask you to proceed with Sierrita pursuant to your letter of July 21, and that the work will be done at approximately $150 per hole. We will assume that between the location work and digging of the pits, that includes the monuments so that the five claims will all be in good standing from Kennecott's standpoint;

and I believe this is to be done by the 5th of September, and preferably recorded by that date.

I am leaving town on a short trip in the morning and wanted to get the above information to you without further delay so that you can proceed with these matters.

Very truly yours,

Robert M. Adams
w

RMA:law
Enclosure
(Partially dictated August 21
- but not read)

ROBERT M. ADAMS

DULUTH 2, MINNESOTA

CHARGE

Full Rate Telegram	X
Day Letter	
Night Letter	

Time Filed

AUGUST 22, 1962

8:45 AM

Copy and Confirmation of Telegram Sent to:

HEINRICHS GEOEXPLORATION COMPANY
806 WEST GRANT ROAD
TUCSON, ARIZONA

AUG 1962
GEOEX

LOCATION WORK FIVE CLAIMS. PLEASE PROCEED WITH SIERRITA

PURSUANT YOURS JULY 21. WRITING YOU TODAY.

ROBERT M. ADAMS

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

AUG 1962
GEOEX

August 17, 1962

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

Since being away from the office for about the last six weeks, three things come to mind.

On Fortuna didn't we have either one or two of our original claims on which an assessment work showing would have to be made as of September 1, supplementing the geophysical work which you did which covered several of our old claims? I had in mind that it didn't quite cover the claims on which we resumed assessment work plus all of the four on which we had been carrying on assessment work--all in addition to the new claims we located.

On Gila we had to complete discovery work by 90 days from a date in June which I don't remember without digging into the file so that sometime (about the middle of September) we would have had to have completed digging five holes.

You found that the bulldozer in the area had moved out and as I remember it you had arranged with a certain concern to dig these five holes at $150 each?

Also I believe we've received no advice from you as to whether some $2300 of assessment work which we did on the Jim group before Kennecott took over had been recorded, which work plus what Kennecott did more than covered the necessary work on the Jim claims and the Gila claims.

As to the hermit it seems rather doubtful to us whether it would be worthwhile to take on these 1, 2 or 3 claims (which do not adjoin our present claims) particularly in view of the fact that under the deal with Kennecott any claims we

locate within a certain distance of the optioned claims simply go into the deal. In other words, we'd get nothing more by way of money out of having some additional claims staked in the neighborhood. Of course if we thought they would be of value in themselves, being on the south side of the Copper Butte claims, that would be another thing. Then it might be worthwhile to have them added to our picture but I don't suppose anybody can answer that question at present.

Seems very doubtfull!

Yours very truly,

RMA:go

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

July 16, 1962

JUL 1962
GEOEX

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

RE GILA COPPER ASSESSMENT WORK

In March (and April I believe) your company did some $2300.00 worth of assessment work on the Jim Claims and supposedly the usual affidavits have been, or are in the process of being, recorded. When you have the recorded affidavits, will you please send them to us? Thank you.

Very truly yours,

ROBERT M. ADAMS COMPANY

By (Miss) Laura A. Wilson

law

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION
TELEGRAM

W. P. MARSHALL, PRESIDENT

SF-1201 (4-60)

SYMBOLS

DL = Day Letter

NL = Night Letter

LT = International Letter Telegram

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GROVER HEINRICHS BOX 5671

806 WEST GRANT RD TUCSON ARIZ

YOUR 21ST. SUGGEST YOU INQUIRE BEAR CREEK WHETHER THEY HAVE OPTION 3 FRIENDS, ALSO DEAL WITH MITCHELL AND WHOSE BULLDOZER IS IN AREA WHOM WE MIGHT CONTACT

ROBERT M ADAMS

21ST 3.

JUN 1962 GEOEX

ma 24202

No.		To	ADSE
By	BJK	At 1057A	To Be MLD

ROBERT M. ADAMS

DULUTH 2, MINNESOTA

JUN 1962 GEOEX

Full Rate Telegram	X
Day Letter	
Night Letter	

CHARGE

Time Filed

12:45 PM

Copy and Confirmation of Telegram Sent to:

JUNE 25, 1962

GROVER HEINRICHS
806 WEST GRANT ROAD
TUCSON, ARIZONA

YOURS TWENTY-FIRST. SUGGEST YOU INQUIRE BEAR CREEK WHETHER THEY HAVE OPTIONED THREE FRIENDS, ALSO DEALT WITH MITCHELL, AND WHOSE BULLDOZER IS IN AREA WHOM WE MIGHT CONTACT?

ROBERT M. ADAMS

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

JUN 1962 GEOEX

June 16, 1962

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

GILA COPPER - RE THREE FRIENDS CLAIMS

Please refer to letter of Mr. Marlatt dated April 20 beginning with the last paragraph on page one and continuing over onto page two. According to this, there were two groups of claims--the six-claim group is cited as being too far south to be of interest; the three-claim group being southeast of Barcelona Creek. Mr. Marlatt goes on to cite that there is apparently no conflict with any of the present Gila or Jim, though there might be a conflict with some of the old Walnut Canyon claims?

On the sketch map of this on which various possible encroachments such as the Sam claims and the Three Friend claims are noted. We apparently do not have to bother about the Sam claims, as that is some of Kennecott's general staking to the north and would be withdrawn where it encroaches upon our agreed-upon claims of the Gila group.

Coming back to the Three Friends and noting what Mr. Marlatt says, these claims wouldn't touch the Gila or the Jim but would only possibly affect, say, Walnut Canyon No. 14?

Now in conversation with Barney Reynolds March 28, 1961, I quote:

> "Now he located enough notes to find it was October 1959 that he went to Florence and looked up this record. It was on October 19; the Docket or Book was No. 225; the Pages, 580-585. Here the claims of the Three Friends were described but so loosely that it would be impossible to plat on the map from the recorded descriptions."

Since then, we have assumed that this was located on top of some of the Jim and perhaps Gila claims, because these Three Friends claims Reynolds cited as "adjoining the south edge of the Copper Butte". This was confusing to me at the time because of course Walnut Canyon claims and Jim claims surround all the Copper Butte claims.

Mr. Marlatt's letter is reassuring in that apparently the Three Friends claims--and Reynolds couldn't remember whether there were four or six--may be clear to the south, east of Barcelona

Creek, and affect the Gila and Jim claims not at all. Wouldn't it be well however to look at the record in Florence as well as the monuments in the field and be sure that we haven't got to redeem any land formerly Reynolds from the locations of the Three Friends?

In Mr. Marlatt's letter he refers to our having submitted a preliminary option form to "The Hermit" and that he was going to consult someone. What has become of that?

If we establish definitely that the Three Friends claims do not affect our Gila group, then that relieves our minds in that direction, and our only remaining interest therein would be whether the claims might be added to the holdings of Kennecott.

Thus, let us find out two things--first are we sure the claims do not affect Jim or Gila; second, would the group of Three Friends claims tie onto Walnut Canyon claims and perhaps supplement the same?

Very truly yours,

RMA:law

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

August 31, 1962

Mr. J. W. Marlatt
Geologist
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

SEP 1962
GEOEX

Dear Mr. Marlatt:

Re Gila - Jim Groups
Your letter of August 29

The affidavit of Bear Creek Mining Company covering assessment work on the Jim Claims was recorded on August 9, 1962 at 8:00 A.M., Docket 331, Page 1, and is No. 248099.

Very truly yours,

Robert M. Adams
m

law

Tuesday, April 10, 1962

Mr. Marlatt:

One thing I forgot in our phone conversation--Will you include in your advices to me at New York--a rough sketch showing, as best we can how three friends overlap Reynolds claims. "The Hermit" can doubtless show you his claims and locations.

We must make a deal to acquire his claims under option and the time to do it is before any real work starts in the area.

I would think if an option-of? for the first year the reimbursement to him of $100.00 a claim assessment work then a small annual option payment, as possible for say five years--if possible-- (Kennecott wants five years from us) -- to buy for X dollars 5?

I hope the other two partners are out of the picture and it should not cost too much for the Hermit to go to California and live on ?

RMA

Hope you can read this.

University Club of Chicago

Tues 4/10/62

Mr Marlott

One thing I forgot in our phone conversation - will you include in your advice to me at New York - a rough sketch showing, as best we can, show 3 friends overlap Reynolds claims. "The Hermit" can doubtless show you his claimed locations.

We must make a deal to acquire his claim under option & the time to do it is before any real work starts in the area.

I would think of an option - for the first year the reimbursement to him of $100 a claim assessment work. Then a small annual option payments as possible for say 5 yrs - if possible - (Kennecott wants 5 yrs. from us.) - To buy for X - $s -

I hope the other 2 partners are out of the picture & it should not cost too much for the Hermit to go to California & live on?

Mike

Hope you can read this!

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

April 7, 1962

APR 1962
GEOEX

Mr. Thomas N. Walthier
Bear Creek Mining Company
2601 First Avenue
Tucson, Arizona

Dear Mr. Walthier:

Since your visit here March 22 and our phone conversation the other day, and in advance of expecting to see you in New York on the 24th of this month, the following comments.

Mitchell. My son Bob had one of the lawyers in his office attend the Mitchell vs. Mitchell hearing in the federal court in San Francisco on April 3, and I am advised that said attorney was not at all impressed with the case of Mitchell's brother against Fred Mitchell. Further, it will take thirty to sixty days before a decision may be handed down.

Meanwhile, when you advise me of your comments on the draft of the 1954 negotiation we had with Mitchell, we will ask Mr. Heinrichs to go further with Mitchell on our current contact with him.

McClintock. A friend of ours is Mr. Philip H. Irwin, President of McClintock Diamond Drill Company of Spokane. We are familiar with their work and understand that your company is also. We would appreciate it if Mr. Irwin had the drilling on this project if, as and when.

Stock versus stock. As discussed when you were here, we would like to in effect make a trade and not sell for cash. We have consulted our tax and legal people and are advised that this is what we should do--Robert M. Adams Company, a Nevada corporation, owning various other properties as well as the Gila picture, could form a fresh Arizona corporation having no other assets and no liabilities and no past business. Into this new company, call it "X", we could put the property; then we could option to you all the stock of the company for the necessary number of Kennecott shares at the then market price.

In this way we are advised we would be trading like for like (stock for stock), and we would avoid a very husky (and unnecessary) income tax. You in turn, if your option were exercised, could simply scrap the company and put the claims into whatever name you wanted.

Assessment work. As you doubtless know, we immediately resumed work on the Reynolds on the assessment work due September 1 next, so that situation is presumably taken care of for the moment.

If we conclude an option agreement with you, as stated in our conversations we are asking for no money, but we expect you to cover the assessment work on the property involved, and we expect that that includes the work to be reported September 1, 1962

I will be looking forward to the pleasure of seeing you in New York.

Very truly yours,

RMA:law
(cc: Mr. Walter E. Heinrichs, Jr.)

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

March 16, 1962

Mr. J. W. Marlatt
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

MAR 1962
GEOEX

Dear Mr. Marlatt:

After our phone conversation this morning:

FORTUNA

Fine--getting a price on moving enough cubic feet on the eight new Fortuna claims to cover the discovery requirements by means of a bulldozer is o.k. and I am glad you concur with the idea. This should exhibit a lot more ground--might even turn up something of interest; anyway, quicker, cheaper and better than digging useless holes.

GILA COPPER

Enclosed find one of your sketch maps which we have used to illustrate two possibilities:

First--take the green letters--A, B, C, D, E, F, G.

How about A-B & C + y mined Down 300' & poss. G?

Secondly--take the red letters--X, Y, Z.

When we started to stake the area between Gila 13 and a distance further Southwest, then we ran into Duval ground, and that made rather a mess of our program.

Even staking the Christmas Group makes a rather poor connection with the Duval Group, and now the Duval Group connection is not of particular interest to us. Therefore, let's go back and, if we are going to do anything further, round out the Gila Group to the West.

I imagine you will advise that to stake full claims 1500 feet Northwest from the Gila Group to Walnut Canyon and beyond will be prohibitive as to location cost and later discovery pits on account of topography. If that is the case, then how about simply adding 600 feet instead of 1500 as indicated by X and Y, and then adding Z, and make no attempt to connect up with the Duval Group?

I was glad to hear that Fred Mitchell responded to Walt's letter so promptly and that he is coming in to talk. I am going to read over the Mitchell file at lunch and, before mailing this this afternoon, I may add something by way of information as to the option deal we were discussing in 1954.

While we do not expect that Mitchell will do anything until the lawsuit is settled, if we could come to an understanding with him at this time, it would be extremely helpful and enhance our position with Kennecott tremendously.

Very truly yours,

RMA:law
Enclosure

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

MAR 1962
GEOEX

March 16, 1962

Heinrichs Geoexploration Company
P.O. Box 5671
Tucson, Arizona

Gentlemen:

Pursuant to conversation with Mr. Marlatt this morning and our talking about Fortuna location work by bulldozer on the 8 new claims and also what to do about any additional ground adjoining the Gila group, this letter concerns Mitchell as Mr. Marlatt advised me that you had heard from Mitchell promptly and that he was coming in to see you. Therefore, I'm hastening to advise you as to our past contact with him.

This started with a conversation in Vic Verity's office with Seton Williams and Fred Mitchell Friday, March 20, 1954. I'm going to take a few quotations from the record of that conversation--

Considerable time had been spent in Mitchell outlining his then current operation of shipping a carload or two a month of selected oxidized material to the Hayden Smelter.

--"I explained--an interesting picture--nobody had apparently gotten all the data together--that, I thought, was the first thing to do--then when correlated and digested a careful geological study--then sampling, testing, etc.--then ultimately the exploration stage--then when we got to the exploration stage what we would like to do is find out in a business-like fashion whether the placer copper on which he is working might be expanded--into a fair-sized operation of its own--secondly, going after the bigger gamble of where is the source--that produced the placer.

--"He thought that program was logical and apparently all right.

--"We discussed available data--he feels that Moehlman is in a position where he would just have to turn it over so it was decided that it would be best if Mitchell called on Moehlman for the data."

Conversation with Seton Williams and Fred Mitchell at Seton's office April 1, 1954--

This seemed to be mostly a conversation about his present placer area operation.

--"As long as he has asked now for the South American data we wait on that. I told him that he would be hearing further from Seton as to their getting together to discuss the business phases of this matter and that's where we left it."

May 12, 1954 note enclosed copy of letter from Vic Verity to me where he submitted a preliminary draft. I'm sure Vic sent Mitchell a copy of that preliminary draft in May at the same time.

According to my notes and I distinctly remember this, Mitchell deferred any action all through the summer while he was arranging with Moehlman, the former chief geologist of Walnut Canyon (subsidiary of South American Development Co.). It seems that when South American quit they'd filed upon all the Walnut Canyon claims in addition to Mitchell's previous group of June Bug, Cochise, etc. That presumably Mitchell received from Walnut Canyon an assignment of all those claims. That there was a tentative understanding that if Moehlman would help Mitchell (with data, for instance) in Mitchell's efforts to place the property, he was to get something for it. It was because of this that Mitchell told us that he wanted to settle this matter definitely with Moehlman before entering into any deal. I believe that was the reason why we pass from May to September with apparently nothing in the file.

September 15, 1954 note Mitchell writes Vic that he'd gone over the draft and he had a few comments to make and hoped that I would approve. Thereupon another draft was made of which I appear to have only one copy and I'm not bothering to copy it to enclose at this time. I'll comment on it later. It looks to me as if it followed Mitchell's letter of September 15.

November 9, 1954 note Vic jogs Mitchell.

November 29, 1954, Vic writes me sending a re-draft. Now probably that's the one which I've just referred to.

December 30, 1954 Vic writes Mitchell (apparently there had been contact between them) and note the P.S. where Mitchell apparently told Vic that maybe we had some competition.

January 17, 1955. Vic jogs Mitchell.

January 29, 1955. Mitchell apparently turns us down cold.

March 7, 1960 Vic writes Mitchell trying to arrange for a conversation. This resulted in nothing.

January 9, 1961. Letter from my son, Bob, in San Francisco as to the status of the Mitchell versus Mitchell litigation.

Now by way of comments--

As I get the story I believe you told me in December Mitchell inherited this property from a friend who didn't like Kennecott and Mitchell doesn't like Kennecott.

When Mitchell and Reynolds had both optioned to South American Development Co, the company asked for an extension. Mitchell was willing to give it and Reynolds wasn't and there was bad feeling for years. The trouble was, as I understand it, that Reynolds took a profound dislike to Moehlman.

In 1954 I met Mitchell and we tried to arrange a deal, I having become interested in that time in Eldred Wilson's ideas for the area, and Vic liked the idea too. This lead us to the contact with Mitchell from the spring of 1954 until January 1955.

Mitchell was shipping small quantities of more or less hand-picked material from the oxidized ores at Copper Butte to the Hayden Smelter and presumably making good money. So we arranged a deal whereby we could be looking into the property and at the same time he could be going on doing his surface mining.

Note again that during the summer of 1954 it was not our delay, it was Mitchell's. He didn't want to deal while he was negotiating with Moehlman as to Moehlman's interest and obtaining data from Moehlman--which constituted, I believe, the complete results of the South American Development Co. exploration. By September we were apparently progressing satisfactorily but the whole fall was used up corresponding around the circle between Vic, my son, Bob, and myself and I suppose more or less contact between Vic and Mitchell. Then I believe Vic was down in Mexico for a considerable time. I was a little nervous about the passage of time at that stage.

The next thing we knew Mitchell turned us down cold and said that we had used up a whole year of a 2-year option period with nothing being accomplished and he calls the whole thing off.

In 1960 we tried to contact him again--no result.

Next you contact him a few months ago and he (very properly) advises that until his litigation with his brother is settled he can't talk business with anybody.

You next write him on March 9 and it appears he answered quite promptly that he was coming in to see you.

Meanwhile, as to the litigation, note the letter of January 9 from my son, Bob, and he has also told me recently on the phone that the case has not been called for hearing as yet and when it is it would be likely 6 weeks at a minimum before any decision were handed down.

So much for history. Now let's talk about psychology.

Whether Mitchell in the fall of 1954 became disgusted with what he later called our delay of the better part of a year (which is not quite fair because he delayed a good 4 months himself in the summer) or whether he did have another offer (of which nothing apparently resulted) or whether he resumed shipping to Hayden--in any event he called the whole matter off and apparently has sidestepped any contact since, at least through Vic Verity.

Whether Mitchell knows that I have dealt with Reynolds and have Reynolds position, I don't know and whether he wouldn't like that, I do not know.

Whether he knows that I have claims that we have located ourselves, I do not know. Whether he would prefer dealing with Kennecott as against myself, again I do not know. Of course, I could not possibly compete with Kennecott but Kennecott might possibly be a lot more dictatorial than an individual.

Over a period of many years I've devoted a great deal of time and expense trying to bring about the thorough testing of this area. Barney Reynolds finally saw fit to throw in with me. Whether Mitchell will or not is, again, unknown.

For some reason Mitchell may have decided he doesn't want to deal with me in any event?

Reed Welch, AS&R, said a year or two ago that when they had again approached Mitchell about some further periodic shipments he had turned them down cold, saying they wouldn't give him a firm deal ~~otherwise~~. Thus his property is certainly producing him nothing and hasn't for years. We have the rumor that Kennecott has tried for a long time to get Mitchell's property at Ray--without success. Whether it is money or that he doesn't want to deal with them at all, again we do not know. If he thought that Kennecott was connected with my interest, it might or might not have any effect. To date we wouldn't want to say anything about it of course. Let him assume that I'm still interested in trying to build up a picture in that area and to bring about its thorough exploration and development--which of course is far beyond the means of an individual.

I do not see any reason why you should not refer to the fact that I'm the interested party and if he says he doesn't want to deal with me for any reason, we might as well know it. At the same time, he's got everything to gain and nothing to lose--he isn't even operating himself--and I've got enough time and money invested in the area to continue to bend every effort to try to bring about its development and that would be to his benefit also.

It is possible that he might end up faring better as part of a larger group than simply on his own claims?

Business--Now roughly here is what was drafted in 1954 after mutual contact-- A 2-year option--during the first year I to spend $5,000 on "the assembly and study of all available data concerning the Copper Butte mine and surrounding territory for sampling, assaying and metallurgical testing, geological reconnaissance, mapping, engineering and all other matters related to or connected with the work involved in the study of the mine and the district".

During the second year of the option I was to spend $20,000 in drilling, rock excavation or both--again including the above items.

At any time during the two year life of the option on 30 days notice I could exercize the right to buy for $300,000, payable $10,000 upon the exercizing of the option for a lease with option to purchase, $10,000 the next year, $20,000 at the end of the next year and so on.

Royalties to apply after the exercize of the option as follows-- Net smelter returns of $10.00 or less, 5%; $10.00 to $15.00, 7½%; $15.00 or over, 10%. The net smelter to mean the net value of the smelter liquidation after deduction of treatment charges, railroad freight and trucking from the mine or mill to the railroad point of shipment.

Mitchell was to have the right during the option period to keep on mining in the manner he had been mining on the June Bug No. 1 and Cochise claims.

These were the essentials of the "option agreement for lease with option to purchase".

I believe the Walnut Canyon deal was a matter of about $200,000 with a 15-year pay-off.

General--Now it's entirely possible Mitchell will say he doesn't want to talk anything until the litigation is over--O.K. If he says even then he doesn't want to deal with us at all, then at least we know that. If, however, after the litigation assuming his brother loses and Mitchell has full title, he is then willing to negotiate with us on an option for lease and bond, that's fine and I'm perfectly willing to let it rest there. I would much prefer, of course, that he would tell us that in writing. Then we actually have it tied up for negotiation as against a third party.

If we get to talking business again, both parties might have different ideas than what we had in 1954?--though I think in general we were talking a pretty fair mutual deal at that time.

I very much hope we can "keep our foot in the door" because I don't think Kennecott will barge in while we're negotiating with Mitchell.

Yours very truly,

RMA:go

Encs.

VICTOR H. VERITY
2207 East Waverly
Tucson, Arizona

May 12, 1954

Mr. Robert M. Adams,
12th Floor Fidelity Bldg.,
Duluth 2, Minnesota.

Dear Mr. Adams: Re: COPPER BUTTE

Enclosed is a rough draft of a proposed agreement on copper butte. With various trips coming up I felt it advisable to prepare something when I had an opportunity so that time will be saved when it comes time to deal with Mr. Mitchell. Will you please study the draft and let me have your comments and suggestions. Copy is being mailed to Seton for the same purpose.

Very truly yours,
/s/ Vic
Victor H. Verity

copied:kd
10/29/54

C. F. MITCHELL
P.O. BOX N
RAY, ARIZONA

9/15/54

Mr. Victor H. Verity
2207 E. Waverly
Tucson, Arizona

Dear Mr. Verity:

After reading over the proposed Lease & Option you gave me the other day when I was in your office, I don't see much wrong with it, outside the royalty. I believe this should be changed some.

All the leases I have seen drawn up have a royalty of Smelter net 10%. On any milling ore - 5%.

However if Mr. Adams thinks this will all be low grade ore I would be willing to make a sliding scale royalty, as follows -

Smelter net of $10.00 or under	5%
Smelter net of $10.00 to $15.00	7-1/2%
Smelter net of $15.00 or over	10%
Any ore milled	5%

Smelter net means

Smelting charges
Rail Road freight
Trucking to R.R. Point. Deducted from gross value of ore at smelter.

I _____* mill would be mill net. Same as smelter net - Treating charges - R.R. freight and trucking deducted.

I hope this meets with Mr. Adams approval

Very truly yours,

C. F. Mitchell

*written word illegible

copied:kd

November 9, 1954

Mr. C. F. Mitchell
P. O. Box N
Ray, Arizona

Dear Mr. Mitchell:

I'll be out of town the rest of this week but will be back on the job Monday the 15th. If you are going to be in Tucson on that day or soon thereafter, will you please call at my office so I can discuss with you some phases of the Copper Butte deal.

Very truly yours,

Victor H. Verity

VHV:1
cc-R.M.A.
R.M.A.Jr.

VICTOR H. VERITY
2207 EAST WAVERLY
TUCSON, ARIZONA

ATTORNEY AT LAW
AND
MINING ENGINEER

November 29, 1954

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams: Re: COPPER BUTTE

Enclosed is a suggested draft of a contract on Copper Butte. Am sending you an extra as you might find it useful in making changes to be returned to me. Copy of this letter and copy of the draft is going to Bob.

I think the draft represents what Mitchell will accept. However, I will not turn anything over to him until I have heard from you and received your comments and instructions. Mitchell would not agree to inclusion of legal title expense in the expenditure requirements during first and second years of the option. He says if the title has defects he would expect to stand all that expense himself and can see no reason for including it in the work requirement. He says that if $5,000 and $20,000 respectively during first and second year of life of option are not spent on work that will tend to bring out geology or develop the mine, he considers the expenditures inadequate.

Very truly yours,

Victor H. Verity

VHV:1
Enclosures
cc-R.M.A.Jr.

VICTOR H. VERITY
[illegible]
TUCSON, ARIZONA

ATTORNEY AT LAW
AND
MINING ENGINEER

December 30, 1954

Mr. C. F. Mitchell
P. O. Box N
Ray, Arizona

Dear Mr. Mitchell:

In accordance with your request during our phone conversation yesterday, I set forth the changes and clarifications which Mr. Adams has suggested in the proposed Option Agreement.

Should more than $5,000.00 be spent during the first year as a condition for the second year of the term of the option, will the excess over $5,000.00 be applicable on the requirement that not less than $20,000.00 be spent during the second year?

As the draft is now written, it is provided that mining claims located either by Mitchell or Adams contiguous to the present mining claims at Copper Butte shall form a part of and be included in the option agreement. Mr. Adams has brought up this question: Suppose that geological and other exploration work discloses that a large block of ground should be located which is not related to Copper Butte and might conceivably amount to something and Copper Butte be relinquished. Would you consider that such claims still be considered a part of the Copper Butte and deeded to you, or kept by Adams?

You have already answered his question about drill core - namely that it belongs to you, not to South American Development Company.

If you will let me hear from you by return mail, I will forward your comments to Mr. Adams by air mail and request that he wire or phone me so that we may do whatever is necessary to prepare a final agreement and send to you for your signature.

I hope the new year will be a very happy and prosperous one for you and your family.

Very truly yours,

Victor H. Verity

cc-R.M.A.
R.M.A.Jr.

P.S. On copies only: Mr. Mitchell told me on the phone yesterday that he has some other party interested in Copper Butte and is undecided what to do. VHV

January 17, 1955

Mr. C. F. Mitchell
P. O. Box N
Ray, Arizona

Dear Mr. Mitchell:

I am leaving Tucson this evening on a short business trip, returning late Friday the 21st. Is there anything I can do at that time in regard to the Copper Butte matter?

Very truly yours,

Victor H. Verity

cc. Mr. Robert N. Adams
Mr. Robert M. Adams, Jr.
VHV:asv

VICTOR H. VERITY
2207 EAST WAVERLY
TUCSON ARIZONA

ATTORNEY AT LAW
AND
MINING ENGINEER

January 29, 1955

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams: Re: COPPER BUTTE

I talked with Mr. Mitchell by phone yesterday. He will not consider further dealings. His conversation was short and to the point. He was not unfriendly but didn't waste words. He said that you wanted two years under the option and one year had gone by without a contract so he was calling off the negotiations. I explained that I was certain we could come to an agreement one way or the other in a matter of days if he was willing to discuss the matter with me, but he refused. Mr. Mitchell asked that his data be returned. If you will send it to me, I will arrange for him to pick it up and have him sign a receipt.

If you have any idea of keeping this property in mind, let me know and when Mitchell comes in for his data I will sound him out and see what frame of mind he is in.

Very truly yours,

Vic

Victor H. Verity

VHV:l
cc-R.M.A. Jr.

VERITY & VERITY
ATTORNEYS AT LAW
[illegible] EAST WAVERLY STREET
TUCSON, ARIZONA
[illegible]

March 7, 1960

Mr. Charles F. Mitchell
P. O. Box N
Ray, Arizona

Dear Fred:

I had a phone call from Mr. Adams a few days ago. He is going to be in Tucson the last half of March and among other things wishes to discuss with all concerned the Copper Butte area. He would like to talk with you about the Copper Butte mine. Although he will arrive in Tucson late the 15th, I am leaving town on the morning of the 18th. That only gives me the 16th and 17th to be with him in Tucson.

Will it be possible for you to talk with us in Tucson on either of these two days, preferably the 16th? I will appreciate the favor very much if you will write or phone me so that I can make plans accordingly.

Sincerely,

Victor H. Verity

cc-RMA

COPY

ANGELL, ADAMS, SOCKNAUER & ELDER
ATTORNEYS AT LAW
200 BUSH STREET
SAN FRANCISCO 4, CALIFORNIA

January 9, 1961

Mr. Robert M. Adams
1200 Fidelity Building
Duluth 2, Minnesota

Dear Dad:

Re: Gila Copper

I received from the Clerk of the Court of Appeals in San Francisco printed transcript of record in the case of Mitchell v. Mitchell. The claims involved in the law suit are both patented and unpatented Copper Butte claims. Claude Mitchell, brother, sued Fred to obtain a third interest in the Copper Butte property, claiming either a partnership or a constructive trust theory. Fred Mitchell defended principally on the theory that in 1943, he had paid his brother $1250.00 for a full release of his interest. There was a two day trial following which the Court rendered judgment in favor of Fred. Claude Mitchell is appealing, claiming that the trial court's findings are not supported by the evidence; that the record discloses fraud on the part of Fred Mitchell; that it is improper to apply the doctrine of adverse possession in favor of Claude against his brother; that the purported release executed by Claude was induced by a mistake or fraudulent misrepresentation and that the fact that the release was not signed by Claude's wife renders it ineffectual.

I will keep track of the case here and when the briefs are in will review them.

Yours,

/s/ Bob

Statement

LAW OFFICE OF
ROBERT E. CATTANY
2438 EAST BROADWAY
TELEPHONE: 623-3463

January 19, 1962
TUCSON, ARIZONA

Heinrichs Geoexploration Co.
806-808 West Grant Road
Tucson, Arizona

Legal services Re: Mitchell v. Mitchell ---------- $45.00

#3101
3/12/62

Admin Acct.

JAN 1962
GEOEX

LAW OFFICE OF
ROBERT E. CATTANY
2438 EAST BROADWAY
TUCSON, ARIZONA
TELEPHONE: 623-3463

January 19, 1962

JAN 1962
GEOEX

E. Grover Heinrichs
Heinrichs Geoexploration Co.
806-808 West Grant Road
Tucson, Arizona

Dear Grover:

I received the Mitchell case yesterday from San Francisco, and have the entire transcript of record.

The following is the judgment of the District Court at Phoenix which was rendered on May 22, 1961 and appealed.

JUDGMENT

In the District Court of the United States for the District of Arizona
No. Civil 2999 Phx.
CLAUDE A. MITCHELL AND HELEN L. MITCHELL, His Wife, Plaintiffs,
vs.
C. F. MITCHELL, et als., Defendants.

The above styled and numbered action having been regularly tried before the Court and the evidence adduced by the parties having been heard and the Court having made its findings of fact and conclusions of law, it is;

Ordered, Adjudged and Decreed that Plaintiffs take nothing by their complaint; that the Defendants and Counterclaimants be adjudged to be the owners in fee simple of the patented and unpatented mining claims which are the subject matter of said suit, and that the Defendants and Counterclaimants have and recover from Plaintiffs their costs in the action.

Done in Open Court this 22nd day of May, 1961.
/s/ DAVID W. LING, District Judge.

If you need additional information or would like to see the transcript, just let me know. I have enclosed a statement according to our agreement.

Very truly yours,

Robert E. Cattany

Robert E. Cattany

LAW OFFICE OF
ROBERT E. CATTANY
2438 EAST BROADWAY
TUCSON, ARIZONA
TELEPHONE 623-3463

January 19, 1962

JAN 1962
GEOEX

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Ordered, Adjudged and Decreed that Plaintiffs take nothing by their complaint; that the Defendants and Counterclaimants be adjudged to be the owners in fee simple of the patented and unpatented mining claims which are the sub[illegible]ct matter o[illegible] suit, and that the Defendants and Counterclaimants ha[illegible] recover from Plaintiffs their costs in the action

Done in Open Court this 22nd day of May, 1961.
/s/ DAVID W. [illegible], Dis[illegible]

If you need additional information or w[illegible] to [illegible] transcript, just let me know. I have [illegible] st[illegible] according to our agreement.

Very tru[illegible]

Robert E. [illegible]
Robert E. Ca[illegible]

JAN 1962
GEOEX

ROBERT M. ADAMS COMPANY
NEVADA
FIDELITY BUILDING
Duluth 2, Minnesota

January 11, 1962

Mr. Walter E. Heinrichs, Jr.
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Mr. Heinrichs:

I have your various letters of December 27 and 29 with enclosures. I but recently returned from the West, and it will be later next week before I can write in any detail. Meanwhile, the following comments that I have made and would like to pass on to you.

Gila Copper. Having just supplied Kennecott with a complete file of data, as arranged with them when in Tucson, I first want to see what their reaction will be; second, I don't know how long it will take, but I would like to see what happens to Duval's staking adjoining us in view of the move of the Reclamation Service. Until we know more about these items, we will defer amending the present staking and the idea of adding thereto to the North. Meanwhile, could I have a pencil sketch of how, using the prior locations of Jim Claims, this would fill in our area without going to the additional expense of re-surveying everything?

As to Fortuna, can I also have a sketch pursuant to the telephone conversation when I was in San Francisco to show where these additional stakings tie onto the present Fortuna Claims and roughly what is the new area of interest?

The mine out in the Mojave shipping to Kaiser--we would be interested in knowing more about that one. Your description sounded like one we had looked over--but maybe not.

Finally, a rough memo on that anomaly near Hachita, New Mexico.

Very truly yours,

RMA:law

VERTICAL INTENSITY HAND MAGNETOMETER
RECONNAISSANCE
Gila Claim Group, Mineral Creek Mining
District, Pinal County, Arizona
for: Robert M. Adams
Duluth 2, Minnesota
by
Heinrichs Geoexploration Company, Tucson

NOV 6 '59

1959
File Copy

VERTICAL INTENSITY HAND MAGNETOMETER

RECONNAISSANCE

Gila Claim Group

Mineral Creek Mining District
Pinal County, Arizona

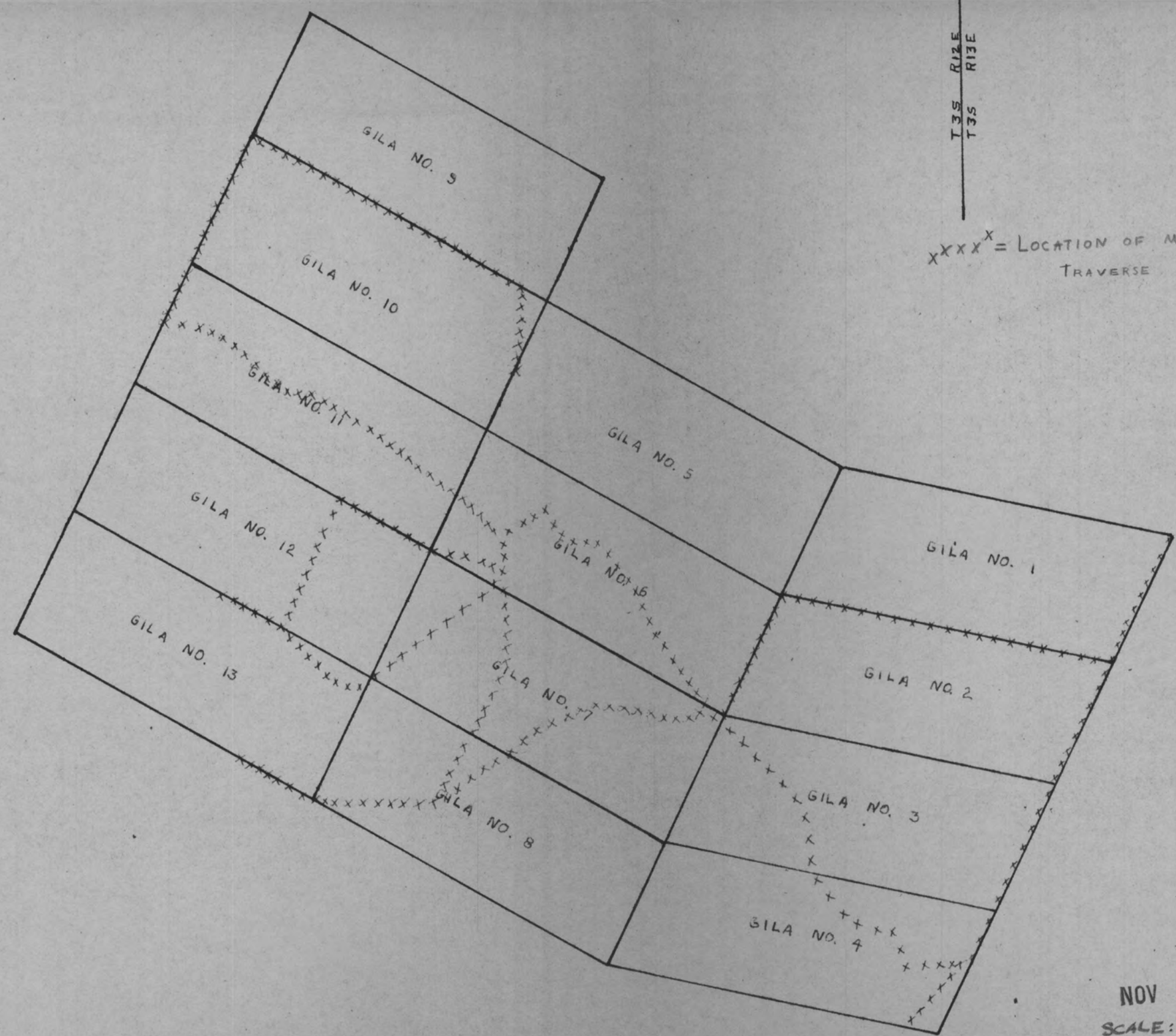
August - September 1959

for

Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

by

Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona



NOV 6 1959

SCALE: 1" = 500'

HEINRICHS GEOEXPLORATION COMPANY
P. O. BOX 5671
TUCSON, ARIZONA

CONTENTS

	PAGE
U.S.G.S. Florence Quadrangle map area location index.	Under title.
Index map of magnetometer traverses and claims.	" "
Three photos of general area	" "
Introduction	1
Objective	1
Procedure	1
Conclusions and Recommendations	2
Scope of the Work	3

	In Back Pocket
Plan map of Vertical Magnetic Intensity Contours In Gammas, Scale: 1" = 250'.	" " "

VERTICAL INTENSITY HAND MAGNETOMETER RECONNAISSANCE

Gila Claim Group

Mineral Creek Mining District
Pinal County, Arizona

INTRODUCTION

Location. The Gila group of unpatented mineral claims consists of thirteen contiguous claims lying mostly in Section 25, T3S, R12E, Gila and Salt River Base Meridian, but overlapping into Section 36, T3S, R12E and Sections 30 & 31 T3S, R13E. This area is in the Mineral Creek Mining District of Pinal County, Arizona and is reached by proceeding approximately 5 miles along a dirt road that starts from the Ray-Superior highway about 2 miles westerly from Ray. The claim group lies about 1 mile north of the Gila River.

OBJECTIVE

By letter dated 18 August 1959, related to previous phone conversations with Mr. Adams and discussions with Mr. Victor H. Verity of Tucson, Mr. Robert M. Adams of Duluth, Minnesota authorized Heinrichs Geoexploration Company of Tucson, Arizona to proceed with appropriate geophysical investigations over the Gila group of claims to fulfill the annual assessment obligations for the year ending 1 September 1959.

PROCEDURE

General review of the matter was made with Mr. Victor H. Verity, following which, various maps and other pertinent data was received by Heinrichs Geoexploration Co. under separate cover from Mr. Adams. Certain other maps were picked up locally from Mr. Allen M. Rugg who had previously

done work in the area. In lieu of Dr. Eldred Wilson being in town, a review of the situation was also made with Mr. Dick Moore, Dr. Wilson's assistant at the Arizona Bureau of Mines, who had been directly and continually connected with the previous work done by Dr. Wilson.

Following these discussions and a review of the data at hand, it was decided that a magnetic reconnaissance would provide the maximum geophysical exploration benefit at this stage for the allotted assessment expenditure.

Accordingly, approximately 18,600' of profiles were run over the claim group with a vertical intensity hand magnetometer and a contour map in gammas prepared from the results.

CONCLUSIONS AND RECOMMENDATIONS

The resultant magnetic contour map shows some definite geo-magnetic trends and points of possible future interest as to areas to investigate by further geology, drilling and other geophysical methods, both on and off the claim group. Regardless of the mineral aspects, the results may be an eventual indirect aid to better understanding of the geology involved.

Time did not permit a complete geologic surface appraisal of the area, nor even a complete surface geology-geophysical correlation, except for two single profiles to provide more regional data to help future interpretation and to make a partial hip-shot check of possible indications related to the exposed Copper Buttes mineralization. Therefore the complete significance of the magnetic picture obtained, must rest on further work and study and should not be considered to necessarily have any potential ore association either direct or indirect at this time.

Although additional surface work and study is recommended first, as a purely off hand, wild cat guess, a hole near the location of proposed

C. D. H. #2 would undoubtedly provide some useful information. The 1500 gamma mag high here should be less than 1000' deep and might be as little as 750'. The high on Walnut Canyon #1 claim is quite similar and they both suggest a fair concentration of magnetite, possibly 25% plus, estimated. Most of the rest of the strong highs and lows appear to be caused by basic-dioritic or diabasic dikes and/or sills. Any future geophysics should include some consideration for the applicability of pulse or induced potential electrical work or possibly AFMAG if that instrument proves successful.

SCOPE OF THE WORK

Two men from Heinrichs Geoexploration staff commenced work in the area on 31 August 1959. The work was carried on continuously to completion, with seven days being spent in the field and four days in the Tucson office computing the data and preparing maps. Magnetic readings were taken with a Sharpe Model A-2, vertical intensity, station reading tripod mounted magnetometer, with one man operating the instrument and one man recording data. The observed readings, after necessary computations, were plotted on the related stations along the traverse lines run and contoured to show the variations in magnetic field strength over the claim group area. Due to cost limitations, and difficult terrain, traverses were run as much as possible along more accessible routes rather than along straight grid lines, so as to obtain as much broad coverage of the group as possible. Traversing was done on foot with survey control by Brunton and pace.

The weather was fair, but extremely hot. This factor had some adverse effect on stability of instrument levels, etc., and speed of instrument operations the therefore resultant production.

Attached hereto is a copy of the U.S.G.S. Florence Quadrangle map as a general index of the area, an index map of the location of the magnetic traverses on the Gila claim group, three snapshots taken in the area and a plan map, scale: 1"=250', of vertical magnetic intensity contours in gammas. The original reproducible tracing of the latter is being sent rolled in a tube under separate cover, we will also retain a reproducible sepia copy in our files in case additional copies are ever needed.

Respectfully submitted,

HEINRICHS GEOEXPLORATION COMPANY

by: W. E. Heinrichs Jr.

Walter E. Heinrichs, Jr.
President & General Manager.

cc: Victor H. Verity

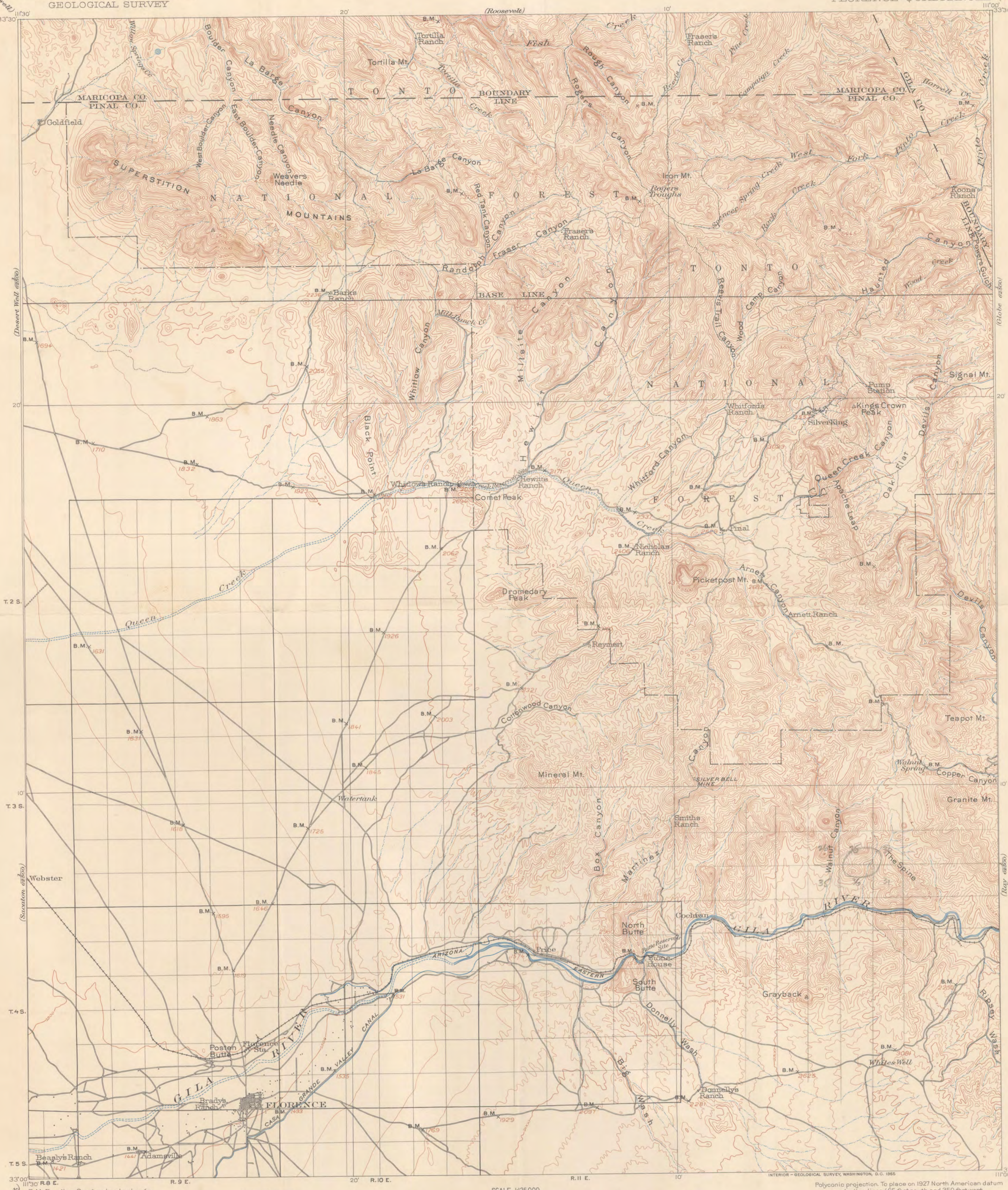
Registered Professional Engineer (Mining)
CERTIFICATE EXPIRES
WALTER E.
HEINRICHS, JR.
DEC. 31, 1952
ARIZONA, U. S. A.

6 November 1959
P. O. Box 5671
Tucson, Arizona

COCHISE
COPPER BUTTE NO 6
COPPER BUTTE 7
JUNE BUG
JUNE BUG NO. 2
WALNUT CANYON 1
WALNUT CANYON 3
WALNUT CANYON 5
WALNUT CANYON 2
WALNUT CANYON 4
WALNUT CANYON 6
WALNUT CANYON 15
WALNUT CANYON NO. 14
WALNUT CREEK
JIM 10
JIM 11
JIM 12
JIM 22
JIM 23
JIM 31
JIM 32
JIM 33
JIM 34
JIM 40
JIM 41
JIM 42
JIM 43
JIM 44
JIM 45
JIM NO. 24
JIM NO. 46
GILA NO. 1
GILA NO. 2
GILA NO. 3
GILA NO. 4
GILA NO. 5
GILA NO. 6
GILA NO. 7
GILA NO. 8
GILA NO. 9
GILA NO. 10
GILA NO. 11
GILA NO. 12
GILA NO. 13
C.D.H. No. 1 (PROPOSED)
C.D.H. No. 2 (PROPOSED)
C.D.H. No. 3 (PROPOSED)
C.D.H. No. 4 (Proposed)
BASE No. 2
BASE No. 3
BASE No. 4
DISCOVERY MONUMENT
INFORMATION
CORNERS LOCATED IN FIELD
STATIONS & MAGNETIC INTENSITY VALUES
DISCOVERY MONUMENT
CONTOUR INTERVAL = 50γ & 100γ (GAMMAS)
SCALE 1" = 250'
N
1000γ
1150γ
ROBERT M. ADAMS COMPANY
GILA CLAIM GROUP
MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
MAGNETIC SURVEY
(VERTICAL INTENSITY)
BY
HEINRICHS GEOEXPLORATION COMPANY
TUCSON ARIZONA
SEPTEMBER, 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ARIZONA
FLORENCE QUADRANGLE



E. M. Douglas, Geographer in charge.
Triangulation by A.H. Thompson.
Topography by T. M. Bannon and W. J. Lloyd.
Surveyed in 1900.

DIAGRAM OF TOWNSHIP

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

SCALE 1:125000

1 ½ 0 1 2 3 4 5 6 7 8 9 MILES

5000 0 5000 10000 15000 20000 25000 30000 35000 FEET

1 0 1 2 3 4 5 6 7 8 9 KILOMETERS

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR — GEOLOGICAL SURVEY, WASHINGTON, D.C. 1955

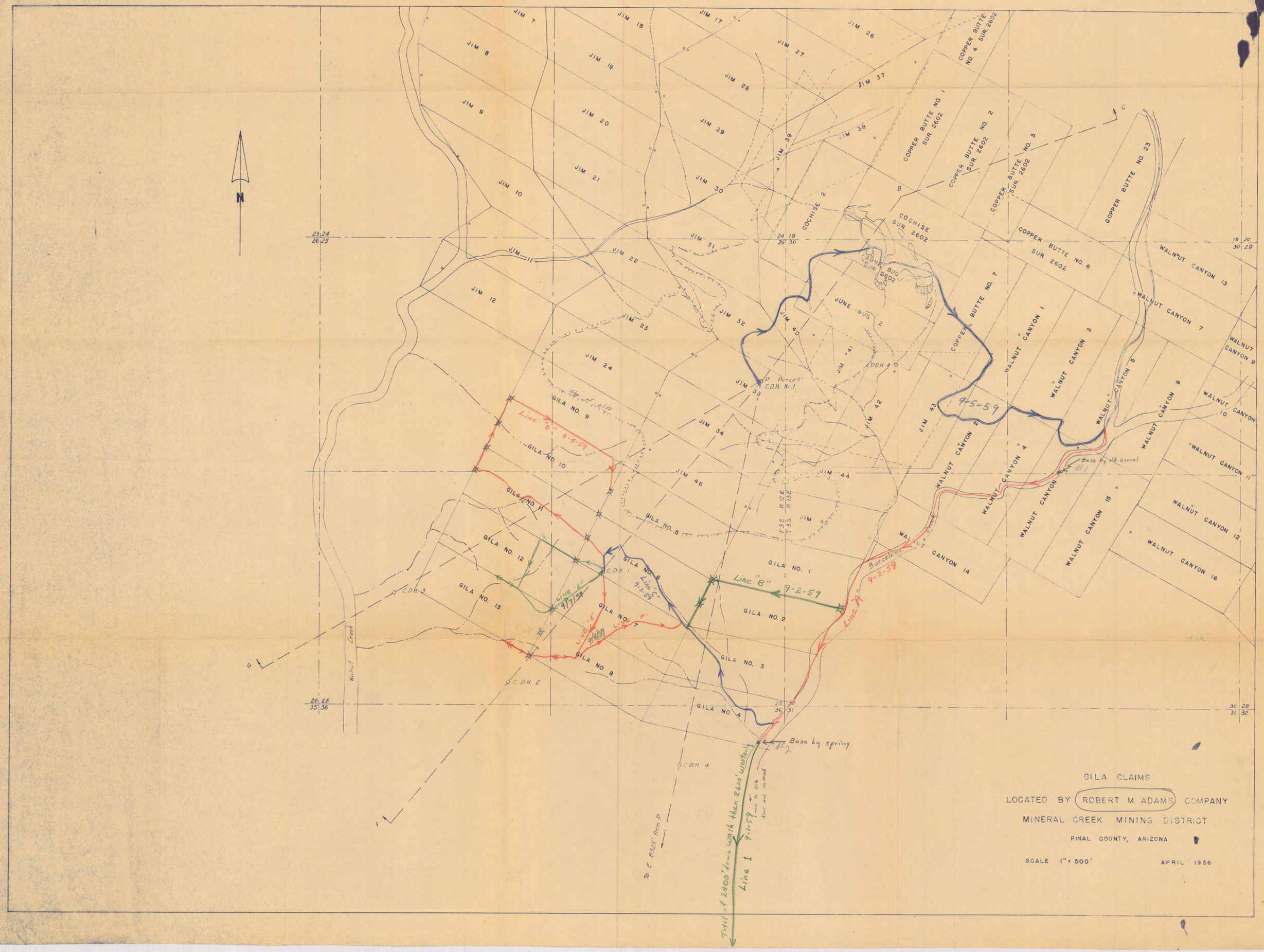
Polyconic projection. To place on 1927 North American datum move projection lines 465 feet south and 350 feet west

* Maps of the Haunted Canyon, Iron Mtn., Picketpost Mtn., and Superior quadrangles, scale 1:24 000, from later and more detailed surveys, covering the northeast quarter of this area, are available.

FLORENCE, ARIZ.
N3300-W11100/30

1900

FOR SALE BY U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D.C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST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JIM 41
JIM 42
JIM 43
JIM 44
JIM 45
JIM 46
COPPER BUTTE NO. 4 SUR. 2602
COPPER BUTTE NO. 1 SUR. 2602
COPPER BUTTE NO. 2 SUR. 2602
COPPER BUTTE NO. 3 SUR. 2602
COPPER BUTTE NO. 23
COPPER BUTTE NO. 6 SUR. 2602
COPPER BUTTE NO. 7
COCHISE 2
COCHISE SUR. 2602
JUNE BUG SUR. 2602
JUNE BUG 2
WALNUT CANYON 1
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WALNUT CANYON 4
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WALNUT CANYON 8
WALNUT CANYON 9
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WALNUT CANYON 11
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WALNUT CANYON 15
WALNUT CANYON 16
GILA NO. 1
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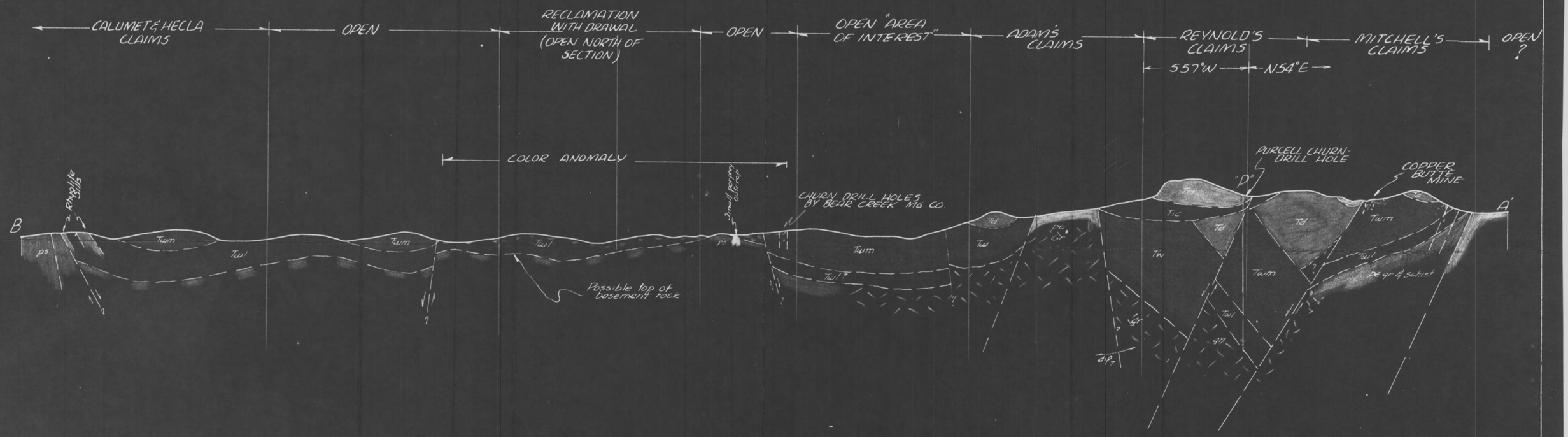
GILA NO. 9
GILA NO. 10
GILA NO. 11
GILA NO. 12
GILA NO. 13
P Purcell C.D.H. No. 1
D.D.H. 4
C.D.H. 1
C.D.H. 2
C.D.H. 3
C.D.H. 4
Line "B" 9-2-59
Line "A" 9-2-59
Line "C" 9-3-59
Line "D" 9-4-59
Line "E" 9/7/59
Line "F" 9/8/59
Line 1 9-1-59
9-5-59
Barcelona Creek
Walnut Creek
Base by old corral #1
Base by spring #2
Total of 2800' down wash then 2600' westerly
To E 8325' from P
GILA CLAIMS
LOCATED BY ROBERT M. ADAMS COMPANY
MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
SCALE 1" = 500'
APRIL 1956



IDEALIZED
SW. - NE SECTION
B-P-A'
COPPER BUTTE AREA
PLANE N.57°E
1" = 1200'
3/9/57
W.C.

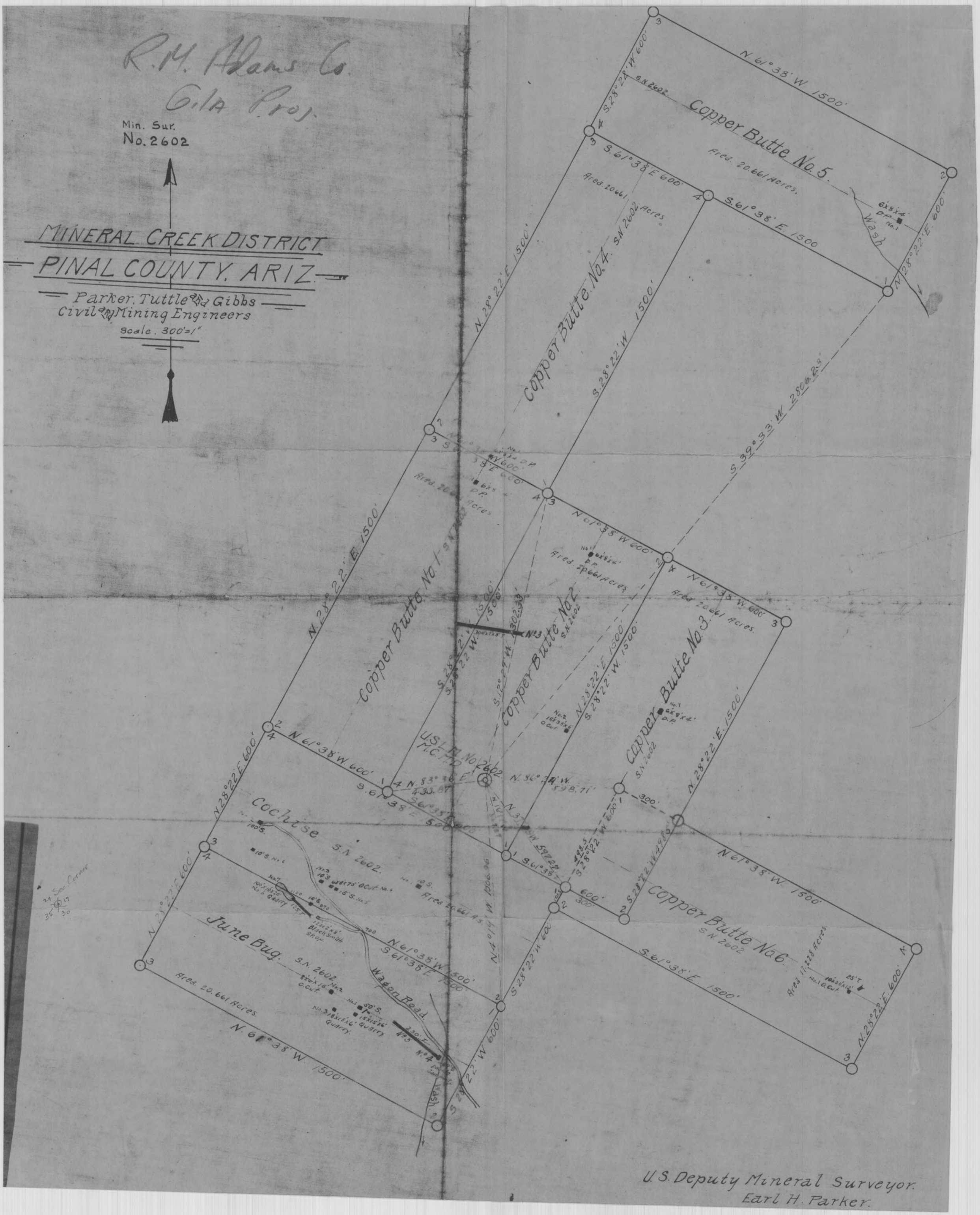
R. M. Adams Co.
Gila Proj.

Min. Sur.
No. 2602

MINERAL CREEK DISTRICT
PINAL COUNTY, ARIZ.

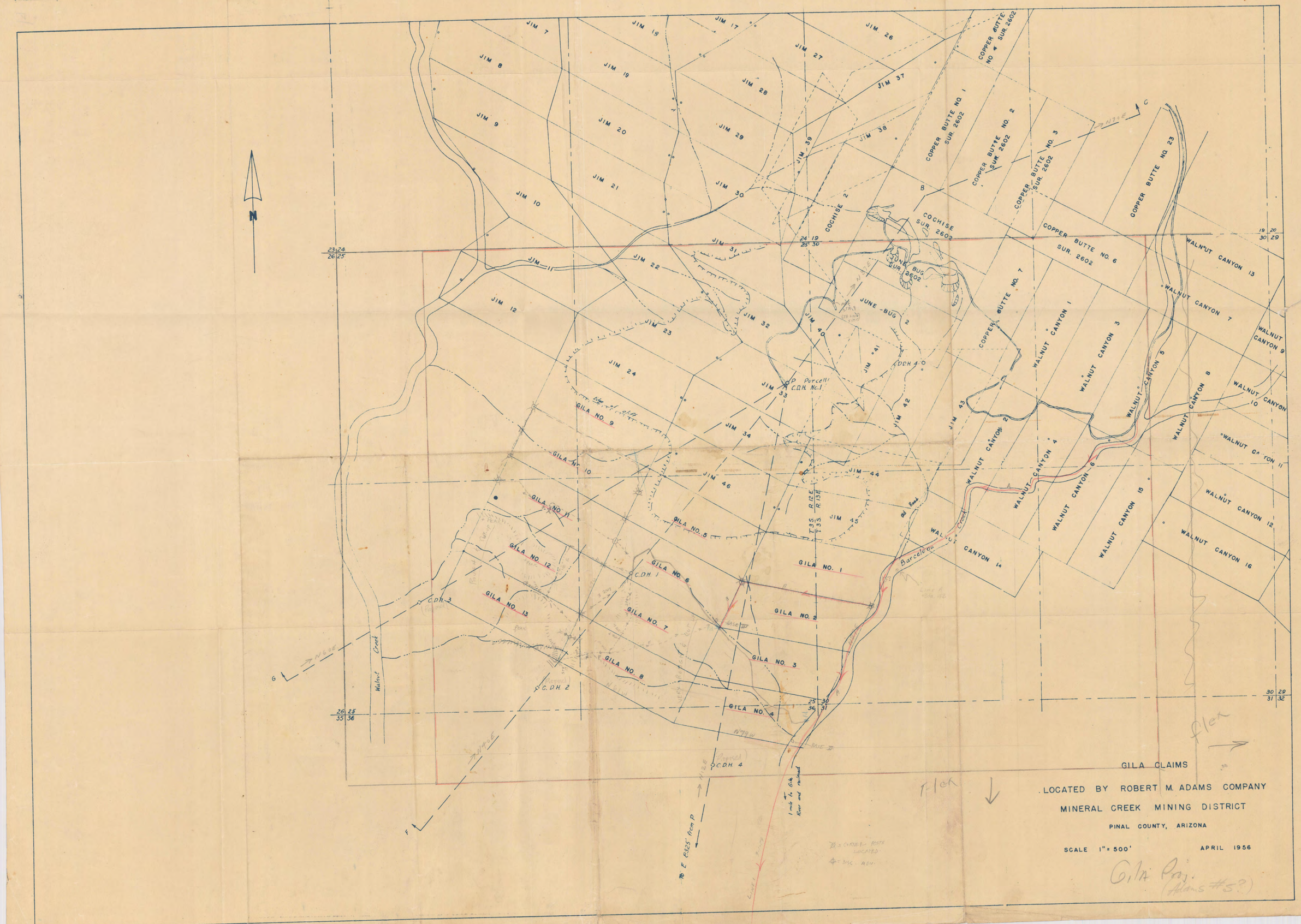
Parker, Tuttle & Gibbs
Civil & Mining Engineers

Scale. 300'=1"



U.S. Deputy Mineral Surveyor.
Earl H. Parker.

Pat. Survey
#2602
Copper Butte, Cochin
+ June Bug claims


GILA CLAIMS
LOCATED BY ROBERT M. ADAMS COMPANY
MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
SCALE 1" = 500'
APRIL 1956
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COCHISE 2
COCHISE SUR. 2602
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JUNE-BUG 2
WALNUT CANYON 1
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WALNUT CANYON 6
WALNUT CANYON 7
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GILA NO. 10
GILA NO. 11
GILA NO. 12
GILA NO. 13
C.D.H. 1
C.D.H. 2
C.D.H. 3
C.D.H. 4
DDH 4-0
P. Purcell C.D.H. No. 1
Walnut Creek
Barcelona
Old Road
T 3S R 12E
T 3S R 13E
23 24 / 26 25
24 19 / 25 30
19 20 / 30 29
26 25 / 35 36
25 30 / 36 31
30 29 / 31 32
N 48 E
N 78 W
N 12 E
N 12 E 8325' from P
1 mile to Gila River and railroad
Lower Pass
Flow
Flow
Gila Proj. (Adams #5?)

WALNUT CREEK
JIM NO. 24
JUNE BUG NO. 2
JIM NO. 46
GILA NO. 5
JIM NO. 45
GILA NO. 1
GILA NO. 2
GILA NO. 3
GILA NO. 4
BASE No. 3
BASE No. 2
C.D.H. No. 2
C.D.H. No. 4
Latest copy
R.M Adams
Gila Project
FLEX-O-GLASS
4 GAUGE

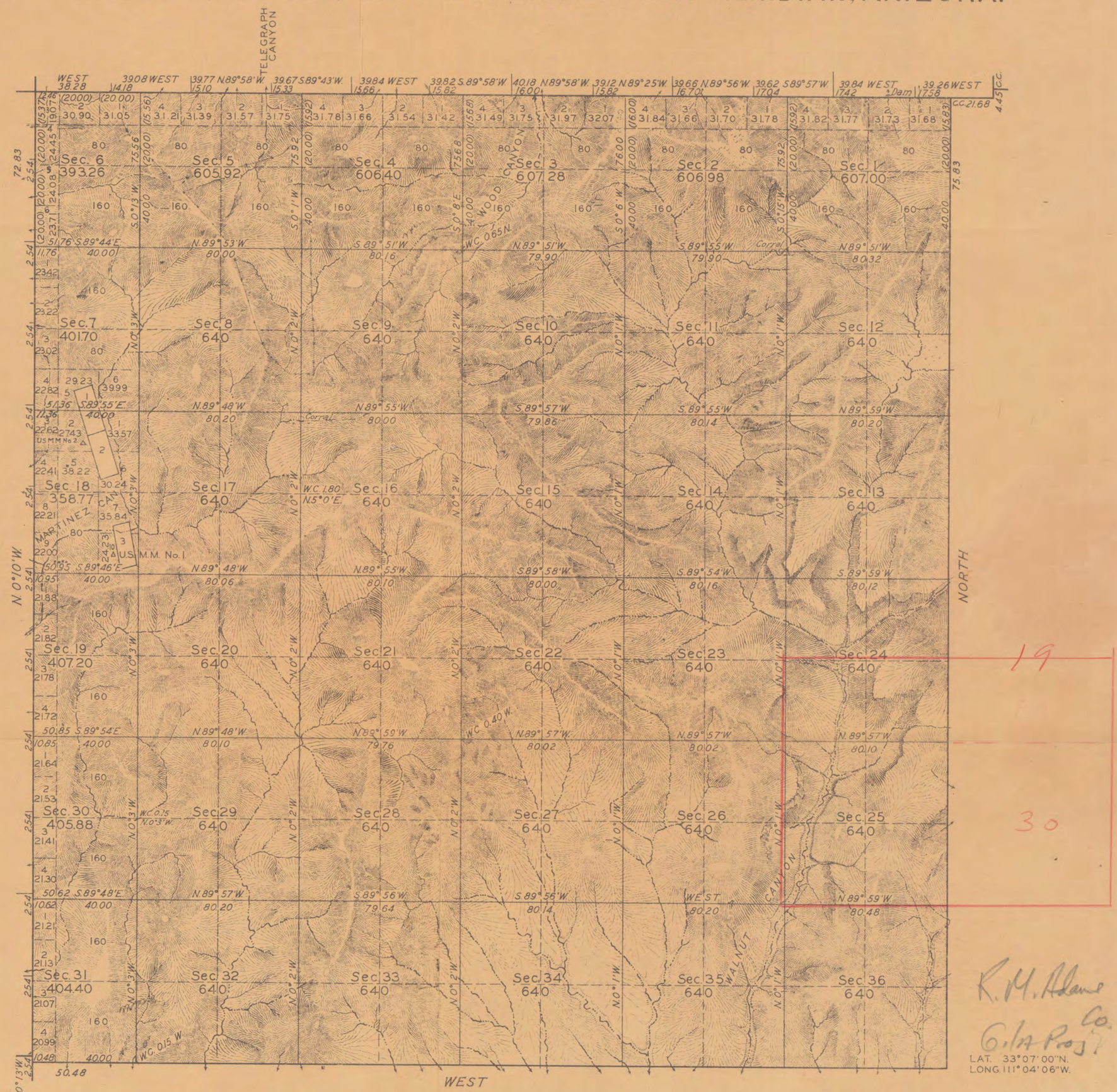
(4-6756)

16/32

TOWNSHIP Nº 3 SOUTH, RANGE Nº 12 EAST, GILA AND SALT RIVER MERIDIAN, ARIZONA.

PATENTED MINING CLAIMS

No	NAME	SURV.
1	SILVER BELL	314
2	COLUMBIA	315
3	MARTINEZ	799



R. M. Adams Co. Gila Proj.

LAT. 33°07'00"N.
LONG. 111°04'06"W.

Mean Magnetic Declination, 14° 15'E. Scale: 40 Chains to an Inch. Area Surveyed, 21,404.79 Acres.

LINES DESIGNATED	BY WHOM SURVEYED	GROUP Nº	GROUP DATE	MILEAGE MLS.	MILEAGE CHS.	WHEN SURVEYED BEGUN	WHEN SURVEYED COMPLETED
Exterior	Theo. Vander Meer	140	May 25, 1926	11	69.51	Jan. 28, 1927	Feb. 10, 1927
Subdivisional	Otto L. Draper			57	76.41	Jan. 28, 1927	Feb. 20, 1927
Meander							
Miscellaneous							

DM.B.P

Office of U.S. Supervisor of Surveys

Denver, Colorado, November 8, 1929.

The above plat of Township No. 3 South, Range No. 12 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.

Martin Johnson
U.S. Supervisor of Surveys.

DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

Washington, D.C., Dec. 21, 1929.

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. Havell
Assistant Commissioner.

COCHISE #2
COCHISE - SUR. 2602
COPPER BUTTE NO. 6
SUR. 2602
JUNE BUG #2
WALNUT CANYON #1
WALNUT CANYON #3
WALNUT CANYON #5
WALNUT CANYON #2
WALNUT CANYON #4
WALNUT CANYON #6
WALNUT CANYON #15
WALNUT CANYON #14
BASE NO. 1 BY OLD CORTEZ
BASE NO. 2 BY SPRING
JIM #10
JIM #11
JIM #12
JIM #22
JIM #23
JIM #24
JIM #31
JIM #32
JIM #33
JIM #34
JIM #40
JIM #41
JIM #42
JIM #43
JIM #44
JIM #45
JIM #46
GILA #1
GILA #2
GILA #3
GILA #4
GILA #5
GILA #7
GILA #8
GILA #9
GILA #10
GILA #12
GILA #13
EDGE OF CLIFF
C.D.H. #2
C.D.H. #4
R.M. Adams Co.
Gila Proj

MAGNETOMETER DATA SHEET

AREA: Adams Gila Claims LOCATION: Mineral Creek, Ariz. LINE: # 1

OPERATORS: J.W.M. & C.S.L. BASE DATUM: INST. NO: Sharpe SCALE VALUE: 20γ DATE: 8-30-60

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	~~DIURNAL~~ PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) / REMARKS / CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
Base 2	7:50	15.8 / 14.6 +	15.2 +	—		+60γ	904	964	Wind
"	7:51	16.1 / 14.8 +	15.2 +				904	964	
"	7:52	15.9 / 14.2 +	15.1 +				902	962	
"	7:53	15.8 / 13.2 +	14.9 +				898	958	
"	7:54	14.6 / 13.9 +	14.8 +				896	956	
"	7:55	15.2 / 13.8 +	14.9 +				898	958	
Base 3	8:03	17.6 / 16.5 +	17.1 +				942	1002	
"	8:14	17.3 / [illegible] +	[illegible] +				942	1002	
Base 3 =	[illegible]	[illegible]	[illegible]						
1+00 SW	8:30	16.8 / 16.0 +	16.4 +				938	998	[illegible]
2+00	[illegible]	16.8 / [illegible] +	16.1 +				922	982	[illegible]
3+00	8:40	18.1 / 17.4 +	17.8 +				956	1016	[illegible]
4+00	8:45	17.5 / 17.7 +	17.6 +				954	1014	"
5+00	8:48	14.8 / 14.3 +	14.5 +				896	956	10' N.E. [illegible]
6+00	8:52	19.0 / 18.8 +	18.9 +				978	1038	[illegible] average between [illegible]
7+00	8:57	15.9 / 15.4 +	15.5 +				910	970	[illegible]
8+00	9:02	15.4 / 15.6 +	15.5 +				910	970	" "
9+00	9:24	16.9 / 16.5 +	16.7 +				934	994	E.E.C. [illegible]
10+00	9:24	16.6 / 16.8 +	16.7 +				934	994	" "
11+00	9:26	19.9 / 20.1 +	20.0 +				1000	1060	[illegible]
12+00	9:32	20.3 / 20.2 +	20.0 +				1180	1240	[illegible]

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE #2

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	~~DIURNAL PLUS~~ BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
			S 60 E from SE [illegible]						
1+00	[illegible]	[illegible] +	6.1 +			+60γ	722	782	[illegible]
2+00	9:46	[illegible] +	12.8 +				856	916	
3+00	9:50	24.6 / 24.7 +	24.7 +				1094	1154	
4+00	9:53	29.3 / 28.8 +	29.1 +				1182	1242	
5+00	9:57	39.[illegible] / 38.0 +	38.6 +				1372	1432	
6+00	10:03	33.7 / 33.1 +	33.4 +				1268	1328	
7+00	10:07	22.9 / 23.1 +	23.0 +				1060	1120	
8+00	10:12	25.3 / 24.9 +	25.1 +				1102	1162	
9+00	10:17	31.5 / [illegible] +	31.3 +				1226	1286	
10+00	10:20	42.8 / 41.9 +	41.9 +				1438	1498	
Repeat	10:22	42.5 / 40.7 +	41.6 +				1432	1492	
"	10:23	41.8 / 41.4 +	41.6 +				1432	1492	
11+00	10:28	19.2 / 18.9 +	19.1 +	S-N UP-43	+1170		982	2212	[illegible]
12+00	10:38	29.5 / 28.9 +	29.2 +	" "	+1170		1184	2414	"
13+00	10:43	24.5 / 24.8 +	24.7 +	" "	+1170		1094	2324	"
14+00	10:48	41.9 / 39.5 +	40.7 +		+1170		1414	2644	"
[illegible]	10:49	41.5 / 40.[illegible] +	40.8 +		+1170		1416	2646	
15+00	10:53	16.2 / [illegible] +	16.3 +	" "	+1170		926	2156	" "
16+00	[illegible]	28.2 / 28.6 M	28.5	" "	+1170		570	1800	[illegible] #8 [illegible]
17+00	11:37	18.0 / 18.7 M	18.9	" "	+1170		378	1608	cross wash (fault) Tuff outcrop [illegible]
Repeat	11:38	17.3 / 20.[illegible] M	18.7	" "	+1170		374	1604	
"	11:39	18.4 / 19.8 M	19.1	" "	+1170		382	1612	
18+00	[illegible]	20.9 / 22.1 M	21.5	" "	+1170		430	1660	[illegible]
19+00	11:45	15.7 / 18.1 M	16.9	" "	+1170		338	1568	"
Repeat	11:46	16.2 / 18.2 M	17.2	" "	+1170		344	1574	
20+00	11:48	9.9 / 12.[illegible] M	11.3	" "	+1170		226	1456	"
Repeat	11:49	11.1 / 12.1 M	11.6	" "	+1170		232	1462	
21+00	11:52	5.3 / 8.5 M	6.9	" "	+1170		138	1368	"
Repeat	11:53	5.8 / 7.8 M	6.8	" "	+1170		136	1366	
22+00	11:55	2.9 / 5.7 M	4.8	" "	+1170		96	1326	"
Repeat	[illegible]	3.7 / 5.9 M	4.8	" "	+1170		96	1326	
"	11:57	4.2 / 5.8 M	4.9	" "	+1170		98	1328	
23+00	12:00	5.5 / 7.5 M	6.5	" "	+1170		130	1360	" "
Repeat	12:02	19.1 / 18.4 +	18.8 +				976	1036	

MAGNETOMETER DATA SHEET

AREA Adam's Gila Claim Group LOCATION Mineral Creek, Ariz LINE #2

OPERATORS J.W.M. & C.S.L. BASE DATUM INST. NO. Sharpe SCALE VALUE 20γ DATE 8-10-60

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
24+00	12:07	23.1 / 24.4	23.8+			+60γ	1076	1136	Rocks on Tony	
25+00	12:10	25.8 / 25.4	25.6+				1112	1172		
26+00	12:22	8.2 / 8.2	8.2+				764	824	"	
27+00	12:27	31.1 / 31.1	31.1				622	682	"	
28+00	12:31	20.1 / 21.7	20.9				418	478	"	
29+00	12:37	5.5 / 7.5	6.5				130	190	"	
30+00	12:42	23.0 / 26.1	24.6−				-108	-48	"	
repeat	12:43	23.5 / 25.5	24.5−				-110	-50	"	
31+00	12:47	17.6 / 20.8	19.2−				-216	-156	WEC [illegible]	
repeat	12:48	17.2 / 20.0	19.1−				-218	-158	"	
"	12:49	18.4 / 20.5	19.5−			↓	-210	-150		

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	~~DIURNAL PLUS~~ BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D	INTENSITY GAMMA	GEOLOGY REMARKS (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
	N 30 [illegible]								
1+00	12:57	[illegible]	20.7 −			+60γ	-186	-126	
2+00	1:00	44.3 [illegible] M	44.1				882	942	
3+00	1:04	[illegible] +	59.1 +				1782	1842	
4+00	1:08	37.3 28.3 +	36.4 +				1328	1388	
5+00	1:13	29.0 27.9 +	28.5 +				1170	1230	
6+00	1:23	[illegible] +	28.3 +				1166	1226	
7+00	1:27	12.8 11.9 +	12.4 +				848	908	
8+00	1:32	[illegible] +	26.1 +				1122	1182	
9+00	1:38	30.8 30.0 +	30.4 +				1208	1268	

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	REMARKS GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)

MAGNETOMETER DATA SHEET

AREA Adams Gila Claim Group LOCATION Mineral Creek Ariz. LINE [illegible]

OPERATORS J.W.M. & C.S.L. BASE DATUM _____ INST. NO. Sharpe SCALE VALUE 20 γ DATE [illegible]

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	~~DIURNAL PLUS~~ BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
[illegible]									
1+00	1:46	30.2 / 28.9 +	20.[illegible] +			+60 γ	1192	1252	
~~2+00~~	~~1:50~~	~~17.9 / 15.1~~	~~15.1~~						
[illegible]		[illegible]							
1	1:58	[illegible]	17.1 +				942	1002	
3+00	2:10	31.5 / 29.3 +	30.8 +				1216	1276	
4+00	2:15	29.0 / 27.2 +	28.1 +				1162	1222	
5+00	2:16	32.0 / 29.1 +	30.[illegible] +				1212	1272	
6+00	2:18	36.5 / 31.[illegible] +	34.0 +				1280	1340	
[illegible]	[illegible]	36.2 / 35.[illegible] +	35.7 +				1314	1374	
7+00	2:22	34.9 / 34.9 +	34.9 +				1298	1358	
8+00	2:24	34.1 / 33.0 +	33.6 +				1272	1332	
9+00	2:27	31.3 / 30.2 +	30.8 +				1216	1272	
10+00	2:30	30.1 / 29.5 +	29.8 +				1196	1256	
[illegible]									
	2:[illegible]	[illegible] +	16.0 +				920	[illegible]	
[illegible]									
	3:[illegible]	14.2 / [illegible] +	14.7	14.9 +			898	958	
	3:50	14.9 / 15.1	15.0						

MAGNETOMETER DATA SHEET

AREA Adams Gila Claim Group LOCATION Mineral Creek Ariz. LINE #5

OPERATORS Marlatt & Ludwig BASE DATUM INST. NO. Sharpe SCALE VALUE 20 γ DATE 8-31-60

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
Base #2						+60γ			
"	7:43	15.4 / 14.2 +	14.8+						
"	7:44	16.3 / 13.9 +	15.1+						
"	7:45	15.2 / 14.4 +	14.8+						
"	7:46	14.5 / 15.1 +	14.8+						
Base #3									
"	8:22	15.8 / 16.4 +	16.1+						
"	8:23	16.2 / 16.3 +	16.3+						
Base #4									
"	8:55	26.4 / 24.0 +	25.2+						
"	8:56	26.3 / 24.3 +	25.2+						
"	8:57	25.3 / 24.8 +	25.1+						
0+00	[illegible]	from N W [illegible]							
0+00	9:13	26.6 / 24.9 +	25.8+				1112	1176	[illegible]
repeat	9:14	25.9 / 25.4 +	25.7+				1114	1174	
1+00	9:17	28.0 / 26.8 +	27.4+				1148	1208	" "
2+00	9:19	26.8 / 25.8 +	26.3+				1126	1186	" "
3+00	9:21	29.1 / 28.3 +	28.7+				1174	1234	[illegible]
4+00	9:23	29.7 / 29.0 +	29.4+				1188	1248	" "
5+00	9:26	31.7 / 31.0 +	31.4+				1228	1288	" "
6+00	9:29	38.6 / 36.5 +	37.6+				1352	1412	" " [illegible]
7+00	9:32	52.1 / 50.1 +	51.1+				1622	1682	" [illegible]
8+00	9:34	55.2 / 53.8 +	54.5+				1690	1750	[illegible]
repeat	9:35	54.5 / 54.1 +	54.3+				1686	1746	
9+00	9:40	19.2 / 19.3 +	19.3+	S-NUP-43	+1170		2156	2216	" " [illegible]
10+00	9:40	18.2 / 18.2 +	18.2+	" " "	+1170		2134	2194	"
11+00	9:50	12.8 / 12.2 +	12.5+	" " "	+1170		2020	2080	" "
12+00	9:54	27.1 / 28.8 M	28.0	" " "	+1170		1730	1790	[illegible]
repeat	9:55	27.8 / 29.2 M	28.5	" " "	+1170		1740	1800	
"	9:56	27.5 / 28.8 M	28.2	" " "	+1170		1734	1794	
from	12+00		45° W						
13+00	10:02	10.8 / 12.2 M	11.1	" "	+1170		1792	1452	Dacite outcrop [illegible]
repeat	10:03	10.9 / 12.4 M	11.7	" "	+1170		1404	1464	
14+00	10:07	27.6 / 29.4 M	28.5			✓	570	630	" "

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
[illegible]	10:10	[illegible]	10.3			[illegible]		865	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	
[illegible]		[illegible]	4					[illegible]	
[illegible]	[illegible]		+				740	800	
[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	

MAGNETOMETER DATA SHEET

AREA Adams Gila Claim Group LOCATION Mineral Creek, Ariz. LINE # 6

OPERATORS Marlatt & Ludwig BASE DATUM INST. NO. Sharpe SCALE VALUE 20 γ DATE 8-31-60

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
1+00	10:32	7.4 8.0 +	7.7+				754	814	[illegible]
2+00	10:41	32.6 33.7 M	33.1	S-NUP-33	+2540		3202	3262	" "
3+00	10:47	9.1 10.[illegible] M	9.5	" " "			2730	2790	" "
4+00	10:51	4.9 [illegible] M	6.[illegible]	" " "			2668	2728	" "
repeat	10:56	5.4 7.2 M	6.3	" " "			2666	2726	
5+00	10:59	48.0 [illegible]	47.0 +				1540	1600	" "
6+00	11:02	22.2 22.7 +	[illegible] +				1478	1538	" "
repeat	11:53	34.6 33.1 +	33.9+				1478	1538	

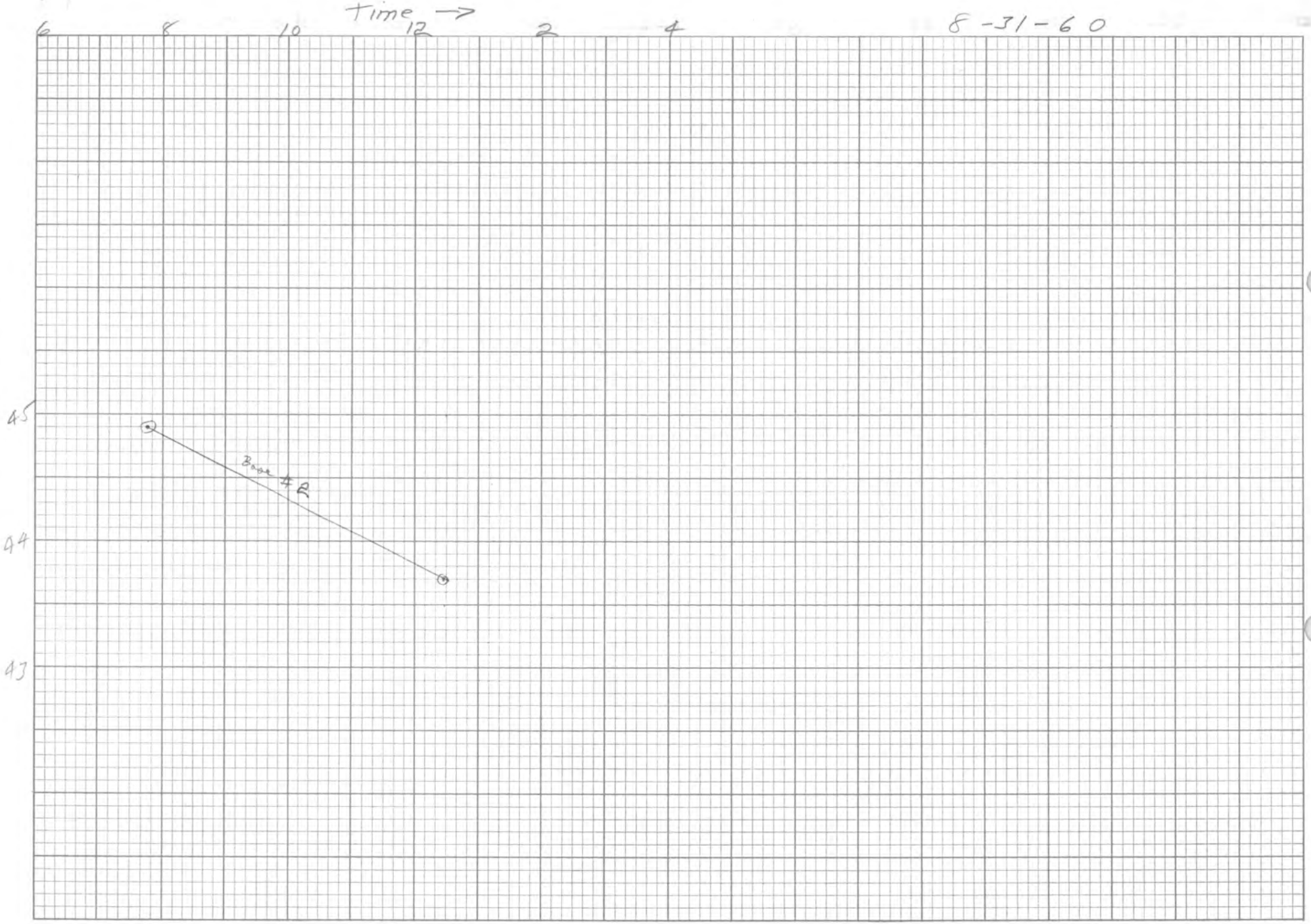
MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

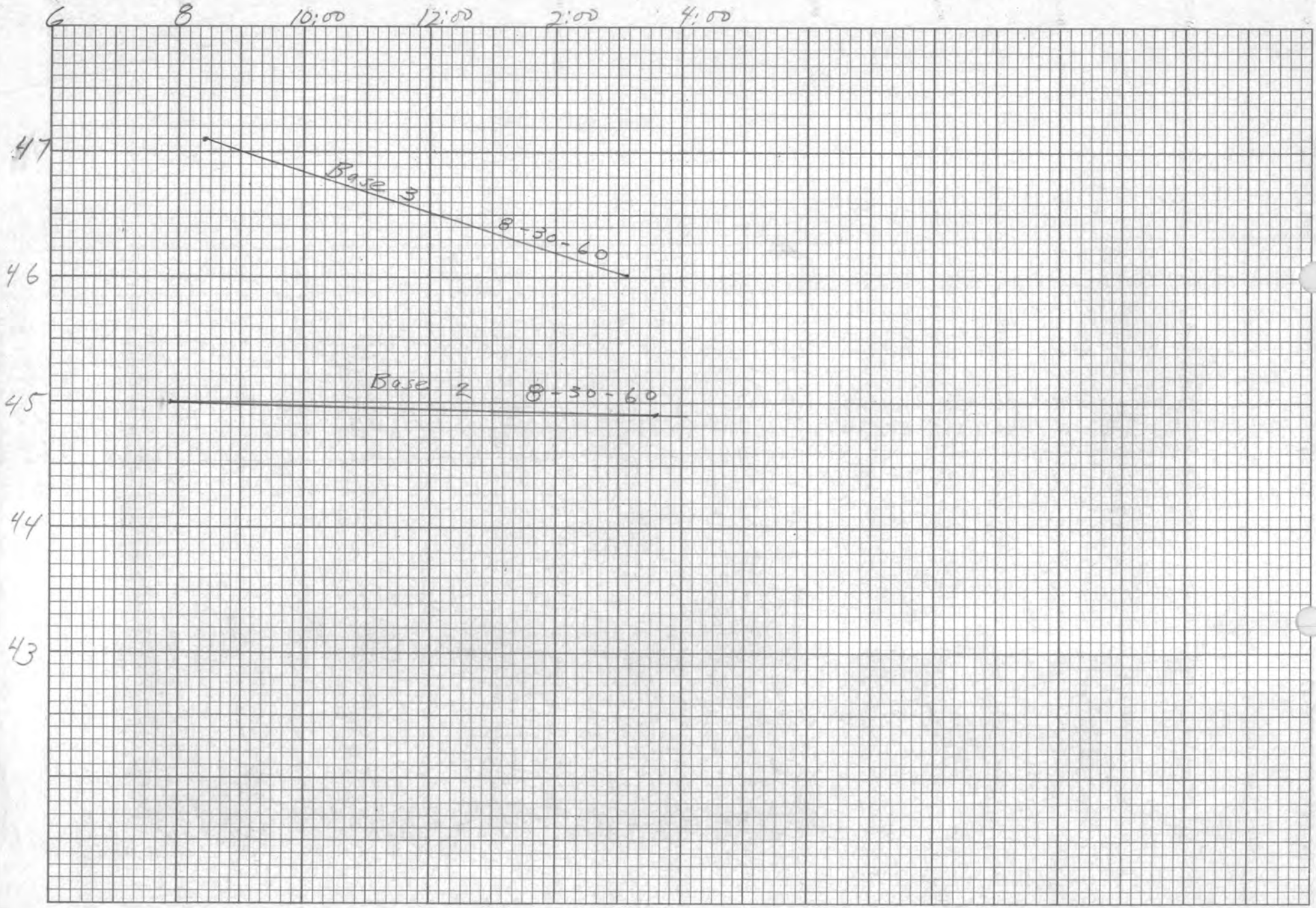
STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
1+00		41.9	45.9			+6.8	1414	1474	
		57.5					1716	1776	
		57.5					1716	1778	
		57.5	56.6				1776	1796	
		57.5	57.				1802	1802	
4+00	11:25	5.9 M	4.4		+0.0		2628	2688	
repeat	11:26	5.5 M	4.0				2620	2680	
"	11:23	5.5 M	4.2				2624	2684	
5+00	11:37	11.6 M	12.4				2588	2648	
		28.3 —	29.7				2534	2594	
repeat		29.9 —	30.0				2540	2600	
"		29.6 —	30.2				2544	2604	
7+00	11:43	13.5 —	13.9				2218	2278	
8+00	11:53	11.0 —	12.				2192	2252	
repeat	11:55	11.9 —	12.9				2198	2258	
	11:47	48.5 +	52.9				1538	1598	
repeat	11:48	48.5 —	46.6				1538	1592	
10+00	12	34.4 +	34.2				1284	1344	
11+00	11:54	30.8 —	30.2				1204	1264	
12+00	11:57	26.8 +	26.3				1166	1226	
13+00	11:59	26.5 +	26.4				1128	1188	
14+00	12:02	26.5 +	26.4				1128	1188	
15+00	12:05	25.5 +	25.4				1108	1168	
16+00	12:07	25.8 +	25.4				1108	1168	
	12:09	29.0 +	28.9				1078	1138	
	12:18	15.8 +	15.				906	966	
3+00									
	12:21	12.5							
repeat	12:20	12.0 —		12.7		✓	874	934	

K+E 10 X 12 TO THE INCH 358-20
KEUFFEL & ESSER CO. MADE IN U.S.A.



NO. 340-32 DIETZGEN GRAPH PAPER
10 X 12 PER INCH

EUGENE DIETZGEN CO.
MADE IN U. S. A.



1959		1960			
Base 2	47.7	14.9	+30	= 44.9	2.8
		16.1	+30	46.1	2.8
3	48.9				3.1
4	57.6	24.5	+30	54.5	

3) 8.7

2.9

20 =

58

≈ ~~45~~ 60

GOLD FIBRE

Base # 2

8-30-60

15.2
15.2
7:53 15.1
14.9
14.8
14.9
(15.0) 45.0

7:35 14.7
15.0
(14.9) 44.9

0.1

8-31-60

7:45 14.8
15.1
14.8
14.8
(14.9) 44.9

12:29 13.8
13.6
(13.7) 43.7

1.2

Base # 3

8-30-60

8:24 17.1
17.1
(17.1) 47.1

1.1

3:08 (16.0) 46.0

8-31-60

8:22 16.1
16.3
(16.2) 46.2

0.9

12:18
(15.3) 45.3

Base # 4

8-31-60

25.2
8:56 25.2
25.1
(25.2) 55.2

12:09 (23.9) 57.9

1.3

901
150

(1)

MAGNETOMETER DATA SHEET

AREA: Adams - Gila Group LOCATION: Mineral Creek Dist, Pinal Co. LINE: 1

OPERATORS: E.G.H. & Marlatt BASE DATUM: 50 = 1000 γ INST. NO: Sharpe 128 SCALE VALUE: 20 γ DATE: 9-1-59

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
Base	8:26	39.0 39.4	39.2	—	—	Before adjustment		-	Parking area - old corral in Barcelona Creek	
Base I "	8:28	39.1 39.6	39.4	—	—			-		
"	8:39	49.2 49.3	49.3	—	—	-		-		
"	8:49	49.5 49.8	49.7	49.5	—	-		-	Not so Actually near SE. Cor Gila #4	
"	8:50	49.4 49.8	49.6	—	—	-		-		
Base II 1	9:45	47.7 48.2	48.0	48.0	—	-		960	N.E. Cor. Gila #1 - in wash. Red, aphanitic, igneous - Dacite?	
"	9:46	47.9 48.1	48.0	—	—	-		-		
2	9:49	42.0 42.2	42.1	—	—	+0.1	42.2	844	100' to S.W.	
3	9:52	42.2 42.2	42.2	—	—	+0.1	42.3	846	2+00' to S.W.	
4	9:55	46.1 45.9	46.0	—	—	+0.1	46.1	922	3+00' to S.W. About 15' North of contact w/ monzonite?	
5	9:57	43.9 43.8	43.9	—	—	+0.1	44.0	880	4+00' " "	
6	10:00	47.9 47.0	47.5	—	—	+0.1	47.6	952	5+00' " "	
7	10:01	49.1 48.8	49.0	—	—	+0.1	49.1	982	6+00' " " Talus covered slope	
8	10:03	48.5 48.3	48.4	—	—	+0.1	48.5	970	7+00' " " " " "	
9	10:05	52.3 52.0	52.2	—	—	+0.1	52.3	1046	8+00' " " " " "	
10	10:06	54.9 54.4	54.7	—	—	+0.1	54.8	1096	9+00' " " " " "	
11	10:08	52.9 52.6	52.8	—	—	+0.1	52.9	1058	10+00' " " " " "	
12	10:12	54.9 54.5	54.7	—	—	+0.1	54.8	1096	11+00' " " " " "	
13	10:14	53.7 53.3	53.5	—	—	+0.1	53.6	1072	12+00' " " " " "	
14	10:15	57.3 56.9	57.1	—	—	+0.1	57.2	1144	13+00 " " " " "	
15	10:18	54.5 54.0	54.3	—	—	+0.1	54.4	1088	14+00 " " " " "	
16	10:20	55.0 54.1	54.6	—	—	+0.1	54.7	1094	15+00 " " In wash	
17	10:23	58.2 57.9	58.1	—	—	+0.1	58.2	1164	16+00 " " " "	
18	10:25	55.1 54.9	55.0	—	—	+0.1	55.1	1102	17+00 " " " "	
19	10:27	55.0 54.9	55.0	—	—	+0.1	55.1	1102	18+00 " " " "	
20	10:29	53.9 53.1	53.3	—	—	+0.1	53.4	1068	19+00 " " " "	
21	10:31	53.1 52.9	53.0	—	—	+0.1	53.1	1062	20+00 " " " "	
22	10:33	57.9 57.3	57.6	—	—	+0.1	57.7	1154	21+00 " " " "	
23	10:35	61.1 60.8	61.0	—	—	+0.1	61.1	1222	22+00 " " " "	
24	10:37	59.9 59.1	59.5	—	—	+0.1	59.6	1192	23+00 " " " "	
25	10:40	61.1 60.8	61.0	—	—	+0.1	61.1	1222	24+00 " " " "	
26	10:43	59.1 58.8	59.1	—	—	+0.1	59.2	1184	25+00 " " Mon. Outcrop South side wash. off N.W. Tributary	
27	10:45	59.8 59.9	59.9	—	—	+0.1	60.0	1200	26+00 " " Wash narrow. Mon. N.W. side	
28	10:48	61.1 60.5	60.8	—	—	+0.1	60.9	1218	27+00 " " Mon. outcrop	
29	10:50	65.9 65.0	65.5	—	—	+0.1	65.6	1312	28+00 " " In wash	
28	11:20	62.1 61.5	61.8			+0.2	62.8	1256	27+00 " " opp. claim cor.	

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE 2

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	REMARKS: GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) / CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
4	11:30	59.8 / 59.0	59.4	—	—	+0.2	59.6	1192	3+00 on N 79 W from [redacted]. Talus
5	11:32	57.3 / 58.1	57.9	—	—	+0.2	57.6	1152	4+00 " Talus
6	11:35	56.1 / 55.5	55.8	—	—	+0.2	56.0	1120	5+00 " Alt Mon & Talus
7	11:39	59.9 / 59.2	59.6	—	—	+0.2	59.8	1196	6+00 " " " " " " Tough going
8	11:43	59.0 / 58.2	58.6	—	—	+0.2	58.8	1176	7+00 " " " " " "
9	11:49	60.9 / 60.1	60.5	—	—	+0.2	60.7	1214	8+00 " Talus
1-1	1:20	47.8 / 47.8	47.8		—	—	—	—	1st Station Line 1
"	1:21	47.3 / 47.8	47.6	47.7		—	—	—	
"	1:22	47.3 / 47.8	47.6			—	—	—	
2-9	1:41	61.1 / 60.1	60.6		—	—	+0.3	60.9	1218 8+00 on N 79W [redacted]. Talus
									Change direction here to N 40W - up Talus ridge
2-10	1:47	59.1 / 58.4	58.8		—	—	+0.3	59.1	1182 1+00 from 2-9
11	1:49	61.3 / 60.3	60.8		—	—	+0.3	61.1	1222 2+00 " "
12	1:54	58.8 / 58.1	58.5		—	—	+0.3	58.8	1176 3+00 " "
13	1:59	58.8 / 58.1	58.5		—	—	+0.3	58.8	1176 4+00 " "
14	2:01	55.7 / 55.2	55.5		—	—	+0.3	55.8	1116 5+00 " "
15	2:04	58.2 / 57.7	58.0		—	—	+0.3	58.3	1166 6+00 " "
16	2:07	53.2 / 52.8	53.0		—	—	+0.3	53.3	1066 7+00 " "
									Change back to N 79W
17	2:15	49.9 / 49.4	49.7		—	—	+0.3	50.0	1000 1+00 from 2-16 still talus
18	2:17	53.6 / 53.1	53.4		—	—	+0.3	53.7	1074 2+00 " "
19	2:20	53.5 / 53.1	53.3		—	—	+0.3	53.6	1072 2+75 " " " "
20	2:27	51.9 / 51.8	51.9		—	—	+0.3	52.2	1044 4+00 " " " "
21	2:37	51.3 / 51.3	51.3		—	—	+0.2	51.5	1030 5+00 " " " "
22	2:45	56.2 / 55.9	56.1		—	—	+0.2	56.3	1126 6+00 " " " "
23	2:50	49.9 / 49.3	49.6		—	—	+0.2	49.8	996 7+00 " "
24	2:54	51.2 / 51.0	51.1		—	—	+0.2	51.3	1026 8+00 " "
25	3:03	44.1 / 44.1	44.1		—	—	+0.2	44.3	886 1+00 from 2-24 change to N 61 W
26	309	49.1 / 48.8	49.0		—	—	+0.2	49.2	984 2+00 " " still Talus.
27	315	47.2 / 47.2	47.2		—	—	+0.2	47.4	948 3+00 " " Tuff?
1-1	4:20	47.3 / 47.8	47.5	47.5	—	—	—	—	Sta. 1 - line 1
	4:21	47.2 / 47.8	47.5			—	—	—	
Base	5:23	49.9 / 49.9	49.9			—	—	—	

BASE II

BASE I

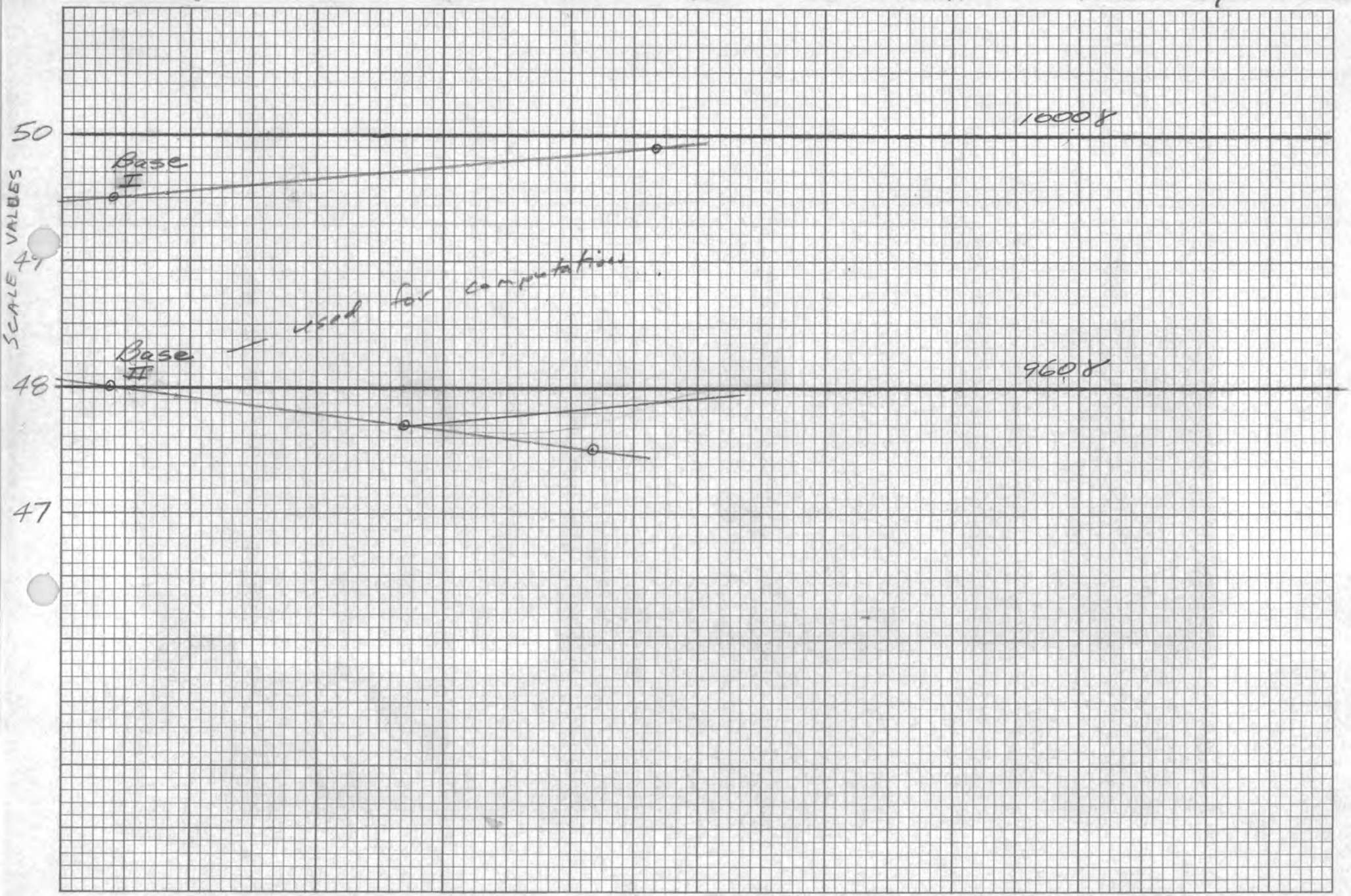
BASE I

NO. 340-32 DIETZGEN GRAPH PAPER
10 X 12 PER INCH

EUGENE DIETZGEN CO.
MADE IN U. S. A.

TIME

DIURNAL CHART 1 SEPT 59



MAGNETOMETER DATA SHEET

AREA Adams - Gila Claim Group LOCATION Mineral Creek Dist., Pinal Co LINE A

OPERATORS E.G.H., Fair, Marlatt BASE DATUM 50 = 1000 γ INST. NO. Sharpe SCALE VALUE 20 γ DATE 9-2-59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) / REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
BASE I										
Base	7:57	49.3 / 48.7	49.0	—		–			By corral in Barcelona Creek	
"	7:58	49.5 / 48.8	49.2	49.4		–				
"	7:59	49.6 / 48.8	49.2			-.2	49.2	984		
"	8:49	50.2 / 50.0	50.1	–		–				
						–				
						–				
1	8:20	35.1 / 35.3	35.2	—		-0.2	35.0	700	Where road to Dune Bug leaves Barcelona wash	
2	8:33	38.1 / 37.9	38.0	—		-0.2	37.8	756	1+00 to S.W. down wash. Tuff.	(S 55 E)
3	8:35	46.9 / 46.1	46.5	—		-0.2	46.3	926	2+00 " " " "	(S 50 W)
4	8:37	45.2 / 44.8	45.0	—		-0.2	44.8	896	3+00 " " " "	(N 75 W)
5	8:40	46.5 / 45.9	46.2	—		-0.2	46.0	920	4+00 " " " "	"
6	8:42	50.1 / 49.9	50.0	—		-0.1	49.9	998	5+00 " " " "	"
7	8:43	53.9 / 53.0	53.5	—		-0.1	53.4	1068	6+00 " " " "	(S 65 W)
8	8:45	56.8 / 55.9	56.4	—		-0.1	56.3	1126	7+00 " " " "	(S 5 W)
9	8:47	53.8 / 53.0	53.4	—		-0.1	53.3	1066	8+00 " " " "	" (70' North of band)
11	8:53	51.1 / 50.3	50.7	—		-0.1	50.6	1012	10+00 " " " Dacite ?	(S 55 W)
12	8:56	63.0 / 62.0	62.5	—		-0.1	62.4	1248	11+00 " " " "	"
13	8:58	45.2 / 44.8	45.0	—		-0.1	44.9	898	12+00 " " " "	"
13a	9:00	55.9 / 55.0	55.5	—		-0.1	55.4	1108	12+78 Last reading above over sand. Thin over bedrock.	
14	9:02	58.7 / 58.3	58.6	—		-0.1	58.5	1170	13+00 Middle of wash (S 55 W) Dacite	
15	9:05	49.1 / 48.8	49.0	—		-0.1	48.9	978	14+00 " " " bedrock " "	
16	9:07	68.9 / 68.3	68.6	—		-0.1	68.5	1370	15+00 " " " Sand	(West)
17	9:09	63.3 / 62.3	62.8	—		-0.1	62.7	1254	16+00 " " " " "	"
18	9:11	71.8 / 70.4	71.0	—		-0.1	70.9	1418	17+00 " " " "	
19	9:14	36.0 / 36.0	36.0	—		-0.1	35.9	718	18+00 " " Sand "	South 30 East
20	9:16	66.4 / 65.0	65.7	—		-0.1	65.6	1312	19+00 " " " " "	
21	9:24	49.9 / 48.5	49.2	—		-0.1	49.1	981	20+00 " " " " "	Due W
22	9:32	41.1 / 40.9	41.0	—		-0.1	40.9	818	21+00 " " " " "	N 55 W
23	9:45	31.8 / 32.1	32.0	—		0	32.0	640	22+00 " " " " "	S 40 W
24	9:55	50.9 / 50.6	50.8	M-S₀-33 on	(-) 4670	0	50.8	-3654	23+00 " " Basic Flow or Dike "	Due W
25	10:00	46.5 / 46.9	46.7	M-S₀-33	(-) 4670	0	46.7	-3736	24+00 " " Sand "	N 55 W
26	10:03	50.9 / 51.2	51.0	—		0	51.0	1020	25+00 " " " Boulders "	"
27	10:06	8.0 / 10.0	9.0	—		0	9.0	180	26+00 " " " " "	"
28	10:09	20.8 / 21.9	21.4	—		0	21.4	428	27+00 " " " " Dacite	
29	10:11	13.2 / 15.0	14.1	—		0	14.1	282	28+00 " " " Bedrock New Claims	S 10 W
30	10:16	18.8 / 19.8	19.3	—		0	19.3	386	29+00 50' side wash - New road bed. "	"

Robert Adams
Gila [illegible]

P 2

MAGNETOMETER DATA SHEET

AREA Mineral Co. Mag. Det. LOCATION Pinal County, Ariz. LINE A

OPERATORS E G + [illegible] BASE DATUM 50 - 1000 INST. NO. 5178 SCALE VALUE 20 γ DATE 9/2/59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.)	REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
31	10:19	11.8 / 13.2	12.7	M-S₂-33	(-)4670	0	12.7	(-)4416	30+00 MID-WASH - SAND	S10W	CROSSED BASIC FLOW FROM LAST STA.
32	10:24	24.9 / 26.1	25.5	M-S₂-43	(-)2130	0	25.5	(-)1620	31+00 " " "	S25W	BOULDERS OF [illegible]
33	10:28	28.9 / 29.3	29.1	M-S₂-43	(-)2130	+0.1	29.1	(-)1548	32+00 " " "	"	" " " "
34	10:40	13.0 / 13.8	13.4	—		+0.1	13.5	270	33+00 " " "		Conglomerate
35	10:49	23.1 / 23.6	23.4	—		+0.1	23.5	470	34+00 " " "	S40W	
36	10:54	27.9 / 28.7	28.3	—		+0.1	28.4	568	35+00 " " "		
37	10:56	34.7 / 34.1	34.4	—		+0.1	34.5	690	36+00 " " "		Camp to west 100'
38	10:58	35.1 / 34.9	35.0	—		+0.1	35.1	702	37+00 " " "		
39	11:04	40.8 / 39.6	39.8	—		+0.1	39.9	798	38+00 " " "	S70W	
40	11:10	37.8 / 37.8	37.8	—		+0.1	37.9	758	39+00 " " "		
41	11:15	40.8 / 40.3	40.6	—		+0.1	40.7	814	40+00 E. edge wash		
42	11:18	42.6 / 42.2	42.4	—		+0.1	42.5	850	41+00 See map		Lookout trib wash bearing N5W @ start of Gila CL. grp
43	11:24	42.1 / 41.5	41.8	—		+0.2	42.0	840	42+00		
44	11:59	39.5 / 40.4	40.0	—		+0.2	40.2	804	43+00 Mid wash		
45	12:02	41.7 / 41.7	41.7	—		+0.2	41.9	838	44+00 W. edge "		
46	12:03	43.3 / 43.2	43.3	—		+0.2	43.5	870	45+00 " " "		
47	12:06	40.8 / 40.8	40.8	—		+0.2	41.0	820	46+00 " " "		
48	12:09	43.2 / 43.1	43.2	—		+0.2	43.4	868	47+00 " " "	S.E. Cor. Gila #1 (Cairn & post)	
49	12:12	43.9 / 43.7	43.8	—		+0.2	44.0	880	48+00 " " "		
50	12:16	42.5 / 42.0	42.0	—		+0.2	42.2	844	49+00 " " "		
51	12:18	43.0 / 43.0	43.0	—		+0.2	43.2	864	50+00 " " "		
52	12:20	42.8 / 42.8	42.8	—		+0.2	43.0	860	51+00 " " "		
53	12:22	44.5 / 44.2	44.4	—		+0.2	44.6	892	52+00 " " "		
54	12:24	44.2 / 44.1	44.2	—		+0.2	44.4	888	53+00 " " "		
55	12:25	45.4 / 45.4	45.4	—		+0.2	45.6	912	54+00 " " "		
56	12:27	46.0 / 45.8	45.9	—		+0.2	46.1	922	55+00 " " "		
57	12:29	45.0 / 45.0	45.0	—		+0.2	45.2	904	56+00 " " "		
58	12:30	48.2 / 48.2	48.2	—		+0.2	48.4	968	57+00 " " "		
59	12:32	45.9 / 45.7	45.8	—		+0.2	46.0	920	58+00 " " "	Outcrop near - "Dacite"	
60	12:34	46.0 / 45.9	46.0	—		+0.2	46.2	924	59+00 " " "		
61	12:35	44.1 / 44.3	44.2	—		+0.2	44.4	888	60+00 " " "	Granite or Monzonite outcrop	
62	12:37	47.1 / 46.9	47.0	—		+0.2	47.2	944	61+00 " " "		
63	12:38	48.4 / 48.4	48.4	—		+0.2	48.6	972	62+00 " " "		
64	12:40	50.8 / 50.5	50.7	—		+0.2	50.9	1018	63+00 " " "		
65	12:43	49.8 / 50.0	49.9	—		+0.2	51.1	1022	64+00 " " "	Old road	
66	12:45	47.9 / 47.9	47.9	—	472-480 / 478-479	+0.2	47.9	958	66+50	Off base 1-1 from	9-1-59

[illegible] II

MAGNETOMETER DATA SHEET

AREA: ADAMS GILA LOCATION: LINE: B

OPERATORS: BASE DATUM: 50 = 1000 γ INST. NO. Sharpe SCALE VALUE: 20 γ DATE: 9-2-59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.)	REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
A-48	1:13	42.7 / 43.1	42.9	—	+0.1	43.0		860	S.E. Cor. Gila #1 west edge of wash		
B-1	1:20	42.1 / 42.3	42.2	—	+0.1	42.3		846	Bearing N79W along claim line 1+00'.		Talus slope
2	1:27	46.6 / 46.8	46.7	—	0	46.7		934	2+00 "		" "
3	1:30	43.8 / 43.8	43.8	—	0	43.8		876	3+20 "	old monument	" "
4	1:33	43.3 / 43.3	43.3	—	0	43.3		866	4+00 "		" "
5	1:41	43.8 / 43.5	43.7	—	0	43.7		874	5+00 "		" "
6	1:49	40.8 / 40.8	40.8	—	-0.1	40.7		814	6+00 "		" "
7	1:52	49.9 / 49.7	49.8	—	-0.1	49.7		994	7+00 "		Top of " ridge.
8	2:03	45.2 / 45.0	45.1	—	-0.2	44.9		898	8+00 "		Talus
9	2:07	46.0 / 45.8	45.9	—	-0.2	45.7		914	9+00 "		"
10	2:10	45.3 / 45.3	45.3	—	-0.2	45.1		902	10+00 "		"
11	2:14	47.1 / 47.0	47.1	—	-0.3	46.8		936	11+00 "		"
12	2:18	49.9 / 49.5	49.7	—	-0.3	49.4		988	12+30 "		Top of " ridge.
13	2:27	48.0 / 47.6	47.8	—	-0.4	47.4		948	14+00 "		Talus
14	2:32	45.0 / 44.8	44.9	—	-0.4	44.5		890	15+00 "	S.W. Cor Gila #1	"
15	2:44	46.8 / 46.8	46.8	—	-0.5	46.3		926	1+00	S27W from above Cor.	"
16	2:46	46.9 / 47.5	47.2	—	-0.5	46.7		934	2+00	"	"
17	2:49	48.1 / 48.1	48.1	—	-0.5	47.6		952	3+00	" Disc. pit & monument	"
18	2:52	48.1 / 48.1	48.1	—	-0.5	47.6		952	4+00	"	"
19	2:57	43.8 / 43.8	43.8	—	-0.6	43.2		864	5+00	"	" wash
20	3:03	49.9 / 49.4	49.7	—	-0.6	49.1		982	6+50	"	Ridge with old road
BASE II 1-1	3:18	48.5 / 48.5	48.5	—	—	—			old base near spring & road jct. - Barcelona Creek.		
1-1	3:19	48.8 / 48.7	48.8	48.7	—	—			" "		
1-1	3:20	48.5 / 49.0	48.8	—	—	—			" "		
BASE I Base	9:00	49.9 / 50.2	50.1	—	—	—			Base by jeep		
	9:01	50.2 / 50.2	50.2	50.1	—	—					
	9:02	50.0 / 50.1	50.1	—	—	—					

MAGNETOMETER DATA SHEET

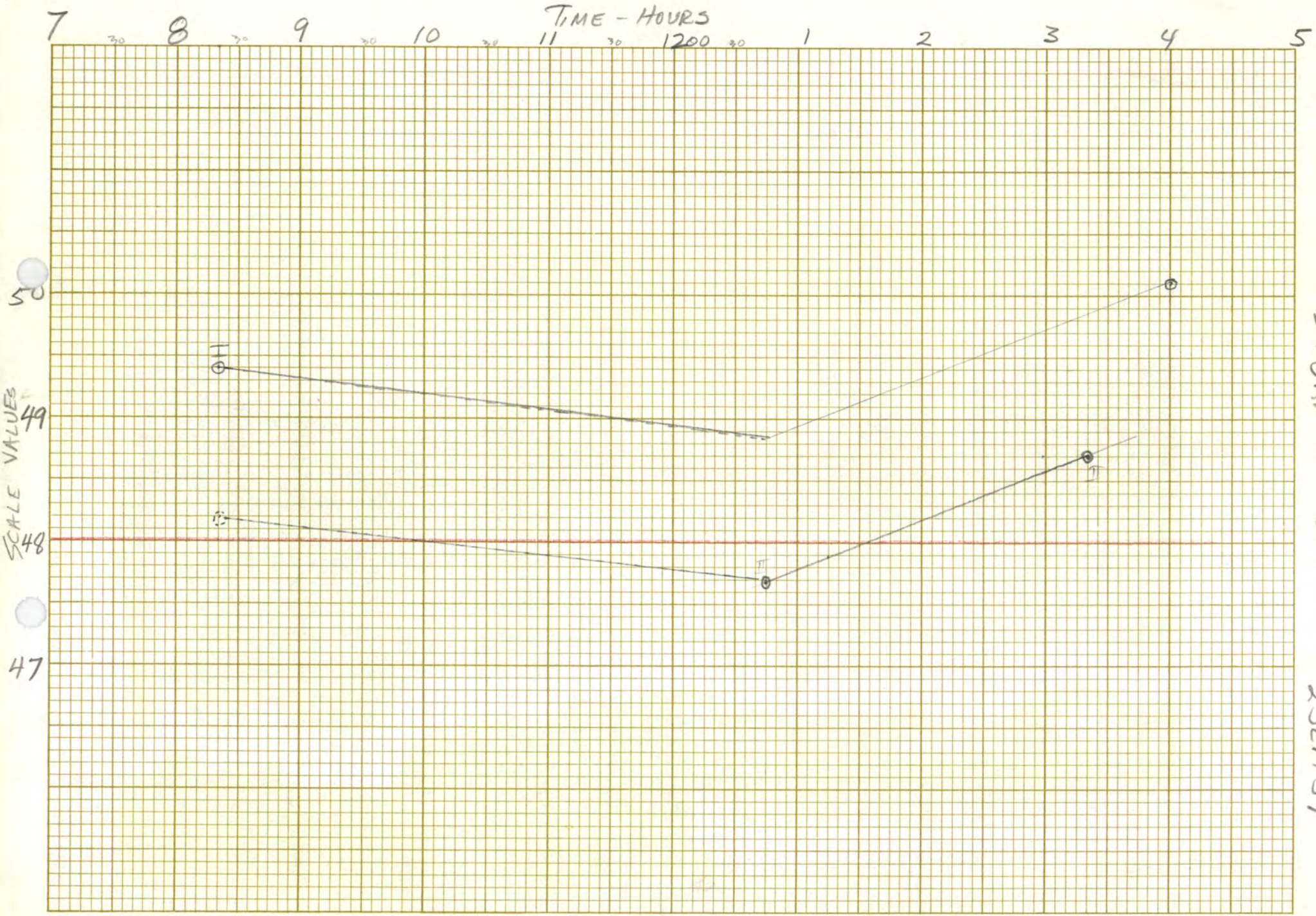
AREA _____ LOCATION _____ LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)

NO. 340-32 DIETZGEN GRAPH PAPER
10 X 12 PER INCH

EUGENE DIETZGEN CO.
MADE IN U. S. A.



MAGNETOMETER DATA SHEET

AREA: ADAMS & GILA CLAIMS LOCATION: RAY AREA, PINAL CO. LINE: C

OPERATORS: B. MARLATT & C. FAIR BASE DATUM: 50 = 1000 γ INST. NO.: SHARPE SCALE VALUE: 20 γ DATE: 3 SEPT 59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) / REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
Base I: BASE I	9:15	48.2 / 47.2	47.7	—					WASH (by spring)	
BASE I	9:17	48.7 / 47.3	48.0	47.9		+0.1			"	
" I	9:20	48.2 / 47.8	48.0	—					"	
									265' FROM BASE NE TO OLD ROAD	
—	—	—	—		—			—	0+00 TRAVERSE UP ROAD.	N 80 W
1.	9:30	48.8 / 47.7	48.2	—		+0.1	48.3	966	1+00 OLD ROAD.	"
2	9:35	47.1 / 45.9	46.5	—		+0.1	46.6	932	2+00 " "	" FOR 50', N65E FOR 50'
3	9:39	45.8 / 45.2	45.5	—		+0.1	45.6	912	3+00 " "	N65E FOR 75', N60W FOR 25'
4	9:43	47.7 / 46.7	47.2	—		+0.1	47.3	946	4+00 " "	N60W FOR 50', N45W FOR 50
5	9:48	46.4 / 45.3	45.9	—		+0.1	46.0	920	5+00 " "	N 45W
6	9:55	48.6 / 47.4	48.0	—		+0.1	48.1	962	6+00 " "	
7	9:58	48.8 / 47.4	48.1	—		+0.1	48.2	964	7+00 " "	"
8	10:04	50.6 / 49.3	50.0	—		+0.1	50.1	1002	8+00 " "	N80E
9	10:07	49.1 / 48.0	48.5	—		+0.1	48.6	972	9+00 " "	N65W
10	10:11	51.3 / 49.9	50.6	—		+0.1	50.7	1014	10+00 " "	N15W
11	10:17	50.8 / 49.8	50.3	—		+0.1	50.4	1008	11+00 " "	"
12	10:40	49.8 / 48.5	49.1	—		+0.1	49.2	984	12+00 " "	"
13	10:45	48.9 / 48.0	48.5	—		+0.1	48.6	972	13+00 " "	"
14	10:50	49.6 / 48.7	48.1	—		+0.1	48.2	964	14+00 " "	N 20 W
15	10:55	47.5 / 46.4	46.9	—		+0.1	47.0	952	15+00 " "	"
16	10:58	46.6 / 45.4	46.0	—		+0.1	46.1	975	16+00 " "	"
17	11:00	48.7 / 47.3	48.0	— } 48.15		+0.1	48.25	965	17+00 " "	N 40 W
"		48.7 / 47.9	48.3	—		+0.1			SAME STA REPEAT	
Base III: 18-BASE II	11:04	49.0 / 47.6	48.8	—					18+00 BASE II III	on old road
"	11:06	48.8 / 47.8	48.3	48.6		+0.1	48.7	974	" "	" " "
"	11:40	49.2 / 48.3	48.8	—					" "	" " "
19	11:48	49.6 / 49.6	49.6	—		+0.2	49.8	996	19+00 old road	N40W Talus ridge
20	11:52	49.8 / 49.2	49.5	—		+0.2	49.7	994	20+00 " "	" " "
21	11:59	50.0 / 49.4	49.7	—		+0.2	49.9	998	21+00 " "	N 20W " "
22	12:03	51.3 / 50.5	50.9	—		+0.2	51.1	1022	22+00 " "	N35W " "
23	12:07	49.1 / 48.3	48.7	—		+0.2	48.9	978	23+00 " "	" " "
24	12:12	50.0 / 49.8	49.9	—		+0.2	50.1	1002	24+00 " "	" " "
25	12:22	50.4 / 50.0	50.2	—		+0.2	50.4	1008	25+00 " "	N50W " "
26	12:28	50.9 / 50.9	50.7	—		+0.2	50.9	1018	26+00 " "	" " "
27	12:37	51.2 / 50.1	50.7	—		+0.2	50.9	1018	27+00 " "	" " "

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE C

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE 9-3-59

	STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.)	REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
	28	12:43	50.5 49.9	50.2	—		+0.2	50.4	1008	28+00 old road	Talus ridge	West
	29	12:46	52.3 51.3	51.8	—		+0.2	52.0	1040	29+00 " "	" "	"
	30	12:53	52.4 51.8	52.1	—		+0.2	52.3	1046	30+00 " "	" "	N30W
	31	12.58	50.2 49.8	50.0	—		+0.2	50.2	1004	31+00 " "	" "	S60W
	32	1:03	53.2 52.4	52.8	—		+0.2	53.0	1060	32+00 " "	" "	"
	33	1:07	55.4 54.2	54.8	—		+0.3	55.1	1102	33+00 " "	Another " "	S 10W
	34	1:12	57.5 56.4	57.0	—		+0.3	57.3	1146	34+00 " "	" "	"
IV	35	1:16	58.3 57.7	58.0	58.0		+0.3	58.3	1166	34+85 " "	ends here	
Base III	Base II	1:32	49.7 49.0	49.4	49.3		+0.3	49.6		18+00 on old road	also end of line B.	
	"	1:35	49.4 49.0	49.2						" " " "	" " " "	
										Base " [illegible], by spring		
Base II	BASE I	2:07	48.1 47.5	47.7	47.7		+0.3	48.0				
	"	2:15	47.8 47.4	47.6						" " " " "		

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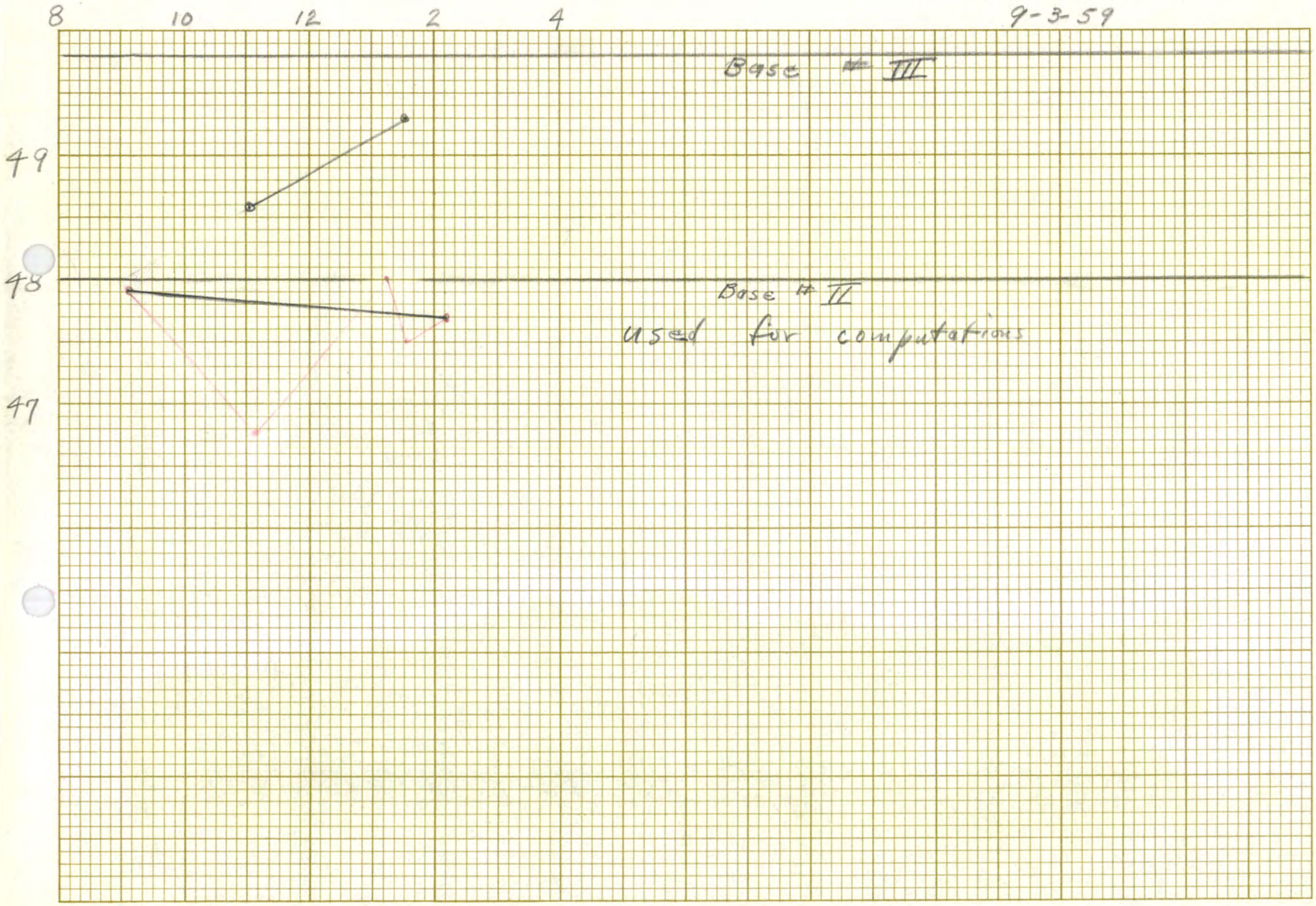
Diurnal chart
9-3-59



MAGNETOMETER DATA SHEET

AREA: ADAMS' GILA CLAIMS LOCATION: GILA Co., ARIZ. LINE: D.

OPERATORS: B. MARLAT & C. FAIR BASE DATUM: 50 - 1000 γ INST. NO: SHARPE SCALE VALUE: 20γ DATE: 4 SEPT 59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.)	REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
BASE II	7:00 am	48.8 / 47.9	48.4	48.4					IN WASH		EXPERENCED DIFFICULTY WITH STOP ON INSTR. WHEN INSTR IS REVERSED 180° THE STOP OFTEN SLIPS, MOVING THE INST. OFF OF NORTH. RESULTS IN POOR CLOSURE
"	7:05	48.8 / 48.0	48.4						" "		
BASE III	7:27	51.1 / 49.7	49.9	—					ON OLD RD, S-E CORNER GILA #6		
"	7:29	50.6 / 50.0	50.3	50.2							
"	7:30	50.6 / 50.0	50.3	—						PERHAPS NORTH NEEDLE IS OUT OF ADJUSTMENT	
0	7:55	57.9 / 55.2	56.5	—		-0.3			0+00 BEGIN LINE D. THIS STA IS SAME AS STA 33, LINE C, 3 SEPT 59		
"	7:57	57.8 / 55.5	56.7	—		-0.3	56.3	1126	"		
"	7:58	57.5 / 55.3	56.6	—		-0.3			"		
1	8:02	53.0 / 52.1	52.6	—		-0.3	52.3	1046	1+00 LINE N 15 W TO INTERSECT NE COR GILA 11		
2	8:05	54.2 / 52.8	53.5	—		-0.3	53.35	1067	2+00 " " AROUND SOUTH FLANK OF MTN.		
"	8:07	54.6 / 53.1	53.8	—		-0.3			" REPEAT TO TRY FOR BETTER CLOSURE		
3	8:13	55.8 / 53.8	54.8	—		-0.3	54.55	1091	3+00		
"	8:15	55.1 / 54.8	54.9	—		-0.3			" " " " " " "		
4	8:25	55.5 / 53.5	54.5	—		-0.3			4+00 75' S OF WCE MON GILA #6, ECE GILA 11		
"	8:26	56.2 / 55.4	55.8	—		-0.3	55.1	1102	" REPEAT TO TRY FOR BETTER CLOSURE		
"	8:27	56.4 / 55.5	55.9	—		-0.3			" " " "		
5	8:31	55.1 / 54.5	54.8	—		-0.3	54.5	1090	4+75 ON END CENT. MON OF NOS. 6 & 11		
6	8:39	54.2 / 53.1	53.6	—		-0.3	53.3	1066	6+00 ON N61W BEARING, ALONG CENT. LINE # 11		
7	8:43	53.8 / 52.5	53.1	—		-0.2	52.9	1058	7+00 " " "		
8	8:47	56.1 / 54.6	55.4	—		-0.2	55.2	1104	8+00 " " "		
9	8:51	58.0 / 56.6	57.4	—		-0.2	57.2	1144	9+00 " "		HEMATITE COMMON IN FLAT
10	9:00	57.3 / 56.0	56.6	—		-0.2	56.4	1128	10+00 " " "		
11	9:07	58.7 / 57.4	58.0	—		-0.2	57.8	1156	11+00 "		" " " "
12	9:15	57.4 / 56.0	56.7	—		-0.2	56.5	1130	12+00 "		
13	9:20	56.8 / 55.1	55.9	—		-0.2	55.7	1114	13+00 "		
14	9:25	59.1 / 58.6	58.9	—		-0.2	58.7	1174	14+00 "		" " " "
15	9:39	59.5 / 57.5	58.5	—		-0.2	58.3	1166	15+00 75' N OF DISC MON & CRT 2-8' DEEP, 30' LING - N35E		
16	9:45	59.0 / 57.2	58.1	—		-0.2	57.9	1158	16+00 WALKED 75' S, & 25 W. STA IS JUST W. OF DISC. MON.		
17	9:55	57.5 / 56.2	56.8	—		-0.2	56.6	1132	17+00		
18	10:00	59.6 / 58.0	58.8	—		-0.1	58.7	1174	18+00 (N61W GOOD)		
19	10:06	59.1 / 58.3	58.7	—		-0.1	58.6	1172	19+00 " "		
20	10:10	59.5 / 58.1	58.8	—		-0.1	58.7	1174	20+00		

Base II

Base III

READINGS SEE NOTE RIGHT

SEVERAL TRAV TOOK

TAKING MORE THAN USUALLY 5 MIN

STATIONS

COV

COV

1 over

P 2

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE D.

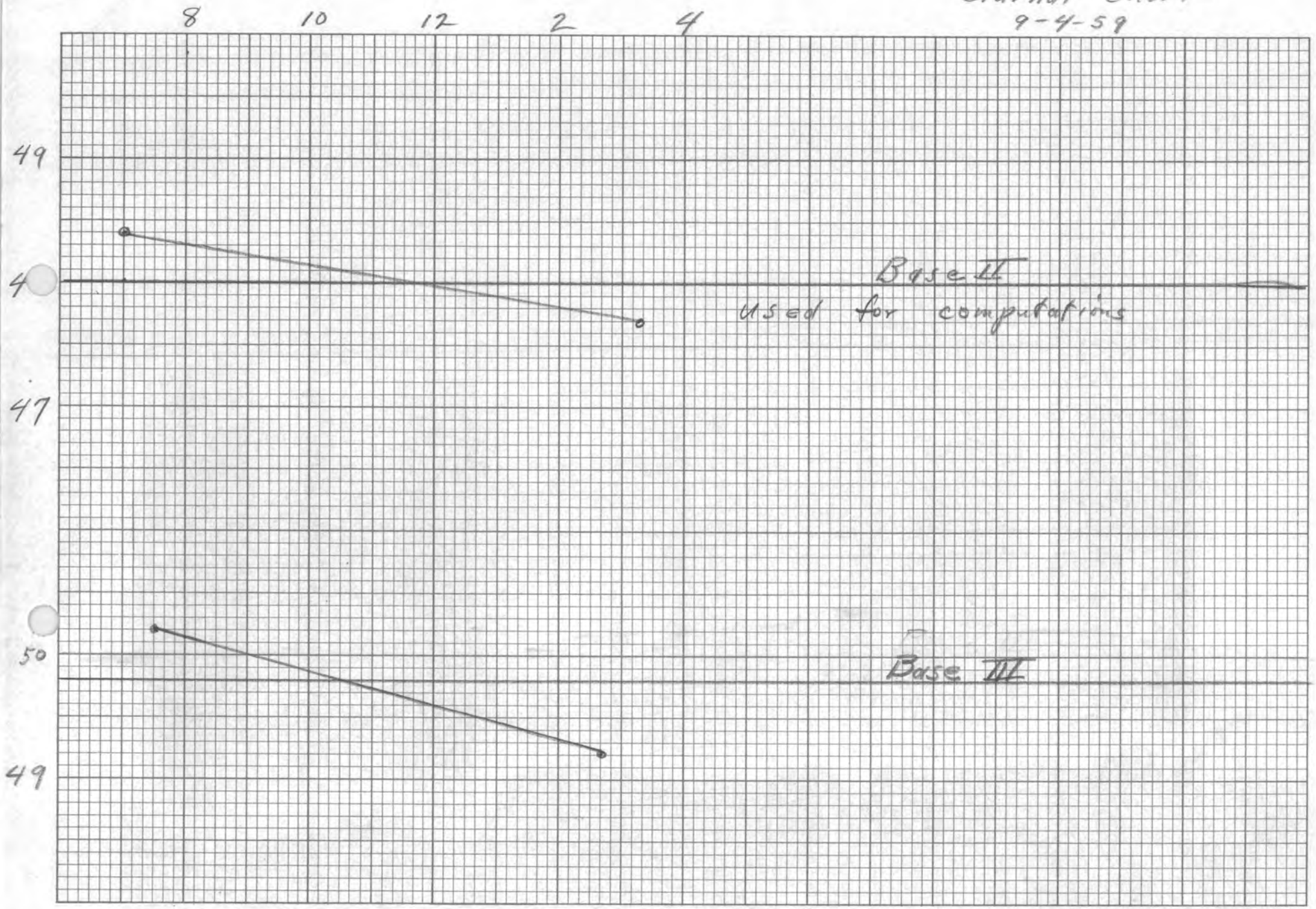
OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
21	10:18	59.7 58.6	59.1	—		-0.1	59.0	1180	2+00 THIS STA ABOUT 30' E of WEC MON #11
22	10:24	59.0 57.8	58.4	—		-0.1	58.3	1166	THIS AVERAGES 80' [illegible] STA — [illegible] SHOULD BE MADE) THIS STA SHOULD HAVE COME OUT ON THE END LINE)
23	10:28	57.5 56.2	56.8	—		-0.1	56.7	1134	
24	10:32	58.1 56.6	57.3	—		-0.1	57.2	1144	TAKEN ON WEC MON #11.
	11:30	57.7 56.9	57.3			0			
25	11:36	65.6 64.3	65.0	—		0	65.0	1300	From Cori: N27E along claim line, 100'
26	11:46	60.0 59.1	59.6	—		0	59.6	1192	2+00' — N27E — Talus slope, steep
27	11:54	59.9 53.5	54.2	—		0	54.2	1084	3+00' — " — " " " Mon. Side Cor Gila 10
28	12:04	52.9 52.7	52.8	—		0	52.8	1056	4+00' " " " "
29	12:14	50.3 50.2	50.3	—		+0.1	50.4	1008	5+00' " " " "
30	12:18	49.9 49.7	49.8	—		+0.1	49.9	998	6+00' " " " " MON. W.E.C. Gila 10
31	12:26	52.1 51.7	51.9	—		+0.1	52.0	1040	7+00' " " " "
32	12:32	51.1 51.2	51.2	—		+0.1	51.3	1026	8+00' " " "
33	12:36	51.8 51.5	51.7	—		+0.1	51.8	1036	9+00' " " " MON. N.W.C. Gila 10
34	12:45	50.4 50.2	50.3	—		+0.1	50.4	1008	1+00' S61E Along North side line Gila 10.
35	12:50	53.8 53.4	53.6	—		+0.1	53.7	1074	2+00' " Talus
36	12:56	50.9 50.6	50.8	—		+0.1	50.9	1018	3+00' " " Ridge appears to be granite or monzonite
37	1:03	53.0 52.8	52.9	—		+0.1	53.0	1060	4+00 " "
38	1:08	48.5 48.0	48.3	—		+0.1	48.4	968	5+00 " "
39	1:16	50.5 50.5	50.5	—		+0.1	50.6	1012	6+00 " "
40	1:23	49.8 49.8	49.8	—		+0.1	49.9	998	7+00 " "
41	1:28	47.1 47.1	47.1	—		+0.1	47.2	944	8+00 " "
42	1:34	45.7 45.3	45.5	—		+0.2	45.7	914	9+00 " " & Conglomerate blocks
43	1:44	46.1 46.0	46.1	—		+0.2	46.3	926	10+00 " " " " "
44	1:50	46.1 46.1	46.1	—		+0.2	46.3	926	11+00 " " " " " & Tuff
45	1:59	46.1 45.8	46.0	—		+0.2	46.2	924	12+00 " " " " " " "
46	2:05	46.8 46.2	46.5	—		+0.2	46.7	934	13+00 " "
47	2:14	48.2 47.8	48.0	—		+0.2	48.2	964	1+00 Angle toward E. End Center Gila 10
48	2:19	49.2 48.9	49.1	—		+0.2	49.3	986	2+00 E. End Cent. Gila 10 — Mon.
Base #3 Base	2:38	49.2 48.4	48.8	—					Base 1 way up old road.
"	2:39	50.3 48.7	49.5	49.2		+0.3			" " " " "
	2:40	49.6 49.2	49.4	—					
Base #2 Base	3:07	47.8 47.5	47.7						By spring in wash.
"	3:18	47.7 47.9	47.6	47.7					" " " "

NO. 340-32 DIETZGEN GRAPH PAPER
10 X 12 PER INCH

EUGENE DIETZGEN CO.
MADE IN U. S. A.

Diurnal chart
9-4-59



MAGNETOMETER DATA SHEET

AREA: ADAMS GILA CLAIMS LOCATION: PINAL CO., ARIZ LINE: JUNE BUG N. UE

OPERATORS: B. MARLATT, C. FAIR BASE DATUM: 50 = 10000 γ INST. NO.: SHARPE SCALE VALUE: 20 γ DATE: 5 SEPT 59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.)	REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
BASE A.	7:50	50.0 / 49.7	49.9	—					IN WASH BY CORRAL. ORIGINAL BASE.		
"	7:52	50.4 / 49.8	50.1	—							
"	7:53	50.5 / 50.1	50.3	50.2							
"	7:55	50.7 / 50.1	50.4								
"	7:59	50.7 / 49.8	50.3	—							
"	8:00	50.7 / 49.9	50.3	—							
BASE B.	8:14	71.7 / 70.2	70.9	70.8					ALONG ROAD TO JUNE BUG. DISTANCE TO BE ESTABLISHED BY PACING FROM THE MINE		
"	8:16	71.4 / 70.1	70.7								
BASE C	8:34	23.9 / 23.7	23.8	—					Open cuts of Copper Butte (June bug claims).		
"	8:38	23.7 / 24.3	24.0	24.2							
"	8:40	23.9 / 24.5	24.8						Conglomerate containing some mineralized frags.		
1	9:06	40.6 / 40.3	40.5	—		0	40.5	810	0+00	NEAR (30' S) PURCELL D.H. #1 on Jim #23.	
2	9:11	40.1 / 39.9	40.0	—		+0.1	40.1	802	2+00	DOUBLE CABLE LYING ALONG ROAD 15' AWAY.	TUFF
3	9:15	42.0 / 41.9	42.0	—		+0.1	42.1	842	4+00		"
4	9:18	39.7 / 39.7	39.7	—		+0.1	39.8	796	6+00		"
5	9:21	33.8 / 33.9	33.9	—		+0.1	34.0	680	8+00	TUFF THINNER BENEATH. IG RX (MONT OR DACITE) OUTCROPS 200 YDS SE.	
6	9:25	32.4 / 32.3	32.4	—		+0.1	32.5	650	10+00	" STILL " "	
7	9:29	34.0 / 34.1	34.0	—		+0.1	34.1	682	12+00	TUFF THICKER - (READING IS UP SLIGHTLY)	
8	9:33	28.1 / 28.3	28.2	—		+0.1	28.3	566	14+00	TUFF THINNER. NEAR LIMIT OF OUTCROP.	
9	9:36	13.2 / 13.6	13.4	—		+0.2	13.6	272	16+00	BEND IN ROAD (SEE MAP). UNABLE TO EST. TUFF THICKNESS	
10	9:40	30.8 / 30.6	30.7	—		+0.2	30.9	618	18+00	TUFF	
11	9:45	36.1 / 36.2	36.1	—		+0.2	36.3	726	20+00	"	
12	9:50	36.7 / 36.8	36.7	—		+0.2	36.9	738	22+00	" , NEARING CONTACT W/ UNDERLYING Cg. AND ?	
13	9:52	25.9 / 26.2	26.0	—		+0.2	26.2	524	24+00		
14	9:55	38.1 / 37.9	38.0	—		+0.2	38.2	764	26+00	CONTACT TUFF - Cg	
15	10:00	32.5 / 31.8	32.2	—		+0.2	32.4	648	28+00	FLOW - ANDESITIC.	
16	10:05	28.4 / 28.3	28.4	—		+0.3	28.7	574	30+00	ON Cg - MIN. gravels OF JUNE BUG EST 25' THICK	
17	10:07	22.0 / 22.3	22.1	—		+0.3	22.4	448	32+00	" " EST 100' THICK	
18	10:11	26.6 / 27.3	26.9	—		+0.3	27.2	544	34+00	" "	
BASE C 19	10:14	22.5 / 23.1	22.8	—					36+00	BASE C - 60' N OF ROAD	
"	10:23	23.2 / 23.6	23.4	23.3		+0.3	23.6	472		"	
"	10:26	23.4 / 23.7	23.6	—						"	

Base I

"B"

"C"

"C"

MAGNETOMETER DATA SHEET

AREA _____ LOCATION Along road from Pierce D.H. (Dawn Hill) east corner Butte 4 miles to Barcelona Creek LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO _____ SCALE VALUE _____ DATE 9-5-59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.)	REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
20	10:30	20.0 / 20.5	20.3	—		+0.4	20.7	414	38+00	Near loading bin	
21	10:34	12.9 / 13.8	13.1	—		+0.4	13.5	270	40+00	Talus	
21 Repeat	10:37	12.2 / 14.0	13.1	—							
22	10:42	5.0(-) / 8.4(-)	6.7(-)	—		+0.4	-22.5	-450	42+00	Tuff – steep dip off w/ volcanics below	
Repeat	10:45	9.3(-) / 10.1(-)	7.5(-)	—							
23	10:50	46.2 / 46.1	46.2	—		+0.4	46.6	932	44+00	Andesite?	
24	10:5	51.6(+) / 50.5(+)	81.0	—		+0.5	81.5	1630	46+00	50'± east of sheared shears	
25	11:00	39.0(+) / 57.5(+)	88.3	—		+0.5	88.8	1776	48+00	Thin cover? of Tuff	
26	11:09	48.3(+) / 47.1(+)	77.7	—		+0.5	78.2	1564	50+00	Tuff	
27	11:07	56.1(+) / 54.8(+)	85.5	—		+0.5	86.0	1720	52+00	"	
"B" 28	11:15	40.6(+) / 40.2(+)	70.4	70.5		+0.5	71.0	1420	54+50	Base "B" Tuff	
"	11:20	40.6(+) / 40.5(+)	70.6	—						" "	
29	11:23	34.5(+) / 34.1(+)	64.3	—		+0.6	64.9	1298	56+00	Tuff	
30	11:29	61.6 / 61.2	61.4	—		+0.6	62.0	1240	58+00	"	
31	11:34	39.9(+) / 39.4(+)	64.7	—		+0.6	65.3	1306	60+00	"	
32	11:38	63.1 / 62.6	62.9	—		+0.6	63.5	1270	62+00	"	
33	11:41	61.9 / 61.5	61.7	—		+0.6	62.3	1246	64+00	" 100'± uphill from turnoff to new rd. to Barcelona	
34	11:45	58.3 / 57.9	58.1	—		+0.7	58.8	1176	66+00	" & Talus	
35	11:49	54.9 / 54.5	54.7	—		+0.7	55.4	1108	68+00	Talus over Tuff	
36	11:54	54.6 / 54.4	54.5	—		+0.7	55.2	1104	70+00	"	
37	11:58	53.0 / 53.2	53.1	—		+0.7	53.8	1076	72+00	Tuff	
38	12:02	52.9 / 53.1	52.8	—		+0.7	53.5	1070	74+00	Tuff & dacite Talus, 50'± uphill from old grader	
39	12:06	50.9 / 50.6	50.5	—		+0.7	51.2	1024	76+00	Dacite Tuff	
40	12:10	53.6 / 53.2	53.4	—		+0.7	54.1	1082	78+00	" "	
41	12:14	46.1 / 46.8	46.5	—		+0.7	47.2	944	80+00	Tuff	
42	12:17	39.4 / 40.2	39.8	—		+0.8	40.6	812	82+00	" & Dacite	
43	12:21	32.8 / 34.8	33.8	—		+0.8	34.6	692	83+50	Barcelona Wash	
Repeat	12:22	34.0 / 35.1	34.6	—		+0.8	35.4	708			
Base A	12:28	49.3 / 49.1	49.2	49.2		+0.8	50.0	1000		Base in Barcelona by corral.	
"	12:30	49.2 / 49.2	49.2							"	

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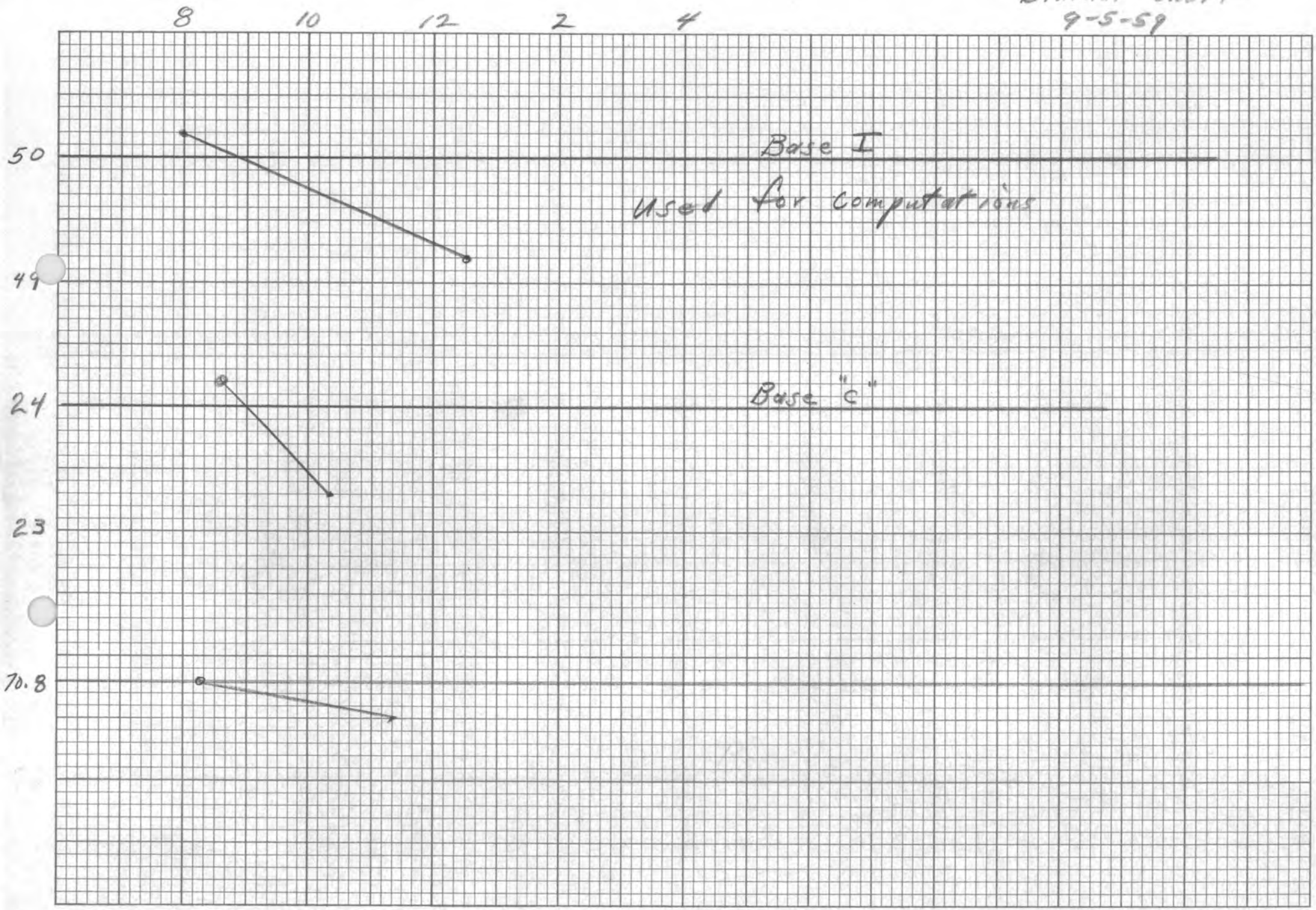
Diurnal chart
9-5-59



MAGNETOMETER DATA SHEET

AREA: Adams Gila Claims LOCATION: Pima Co. Ariz LINE: E

OPERATORS: C. Fair B. McLain BASE DATUM: 50-10006 INST. NO.: Sharpe SCALE VALUE: 20 γ DATE: 9-7-59

STATION	TIME	N. TO E. / N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) / REMARKS / CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
Base I	8:00	48.4 / 48.1	48.2	–					In wash. ORIGINAL BASE.
"	8:15	49.4 / 49.2	49.3	49.0					
"	8:20	49.4 / 49.2	49.3	–					
Base II	9:35	49.4 / 46.2	46.8						To wash by spring
"	9:40	47.8 / 47.4	47.6	47.3		+0.7			
"	9:45	47.8 / 47.3	47.55	–					
Base III	10:00	47.2 / 47.2	47.2	–					
"	10:05	48.2 / 47.6	47.9	–					
"	"	49.0 / 48.5	48.75	48.4					
	10:10	49.4 / 48.7	49.05						
	10:15	49.4 / 49.0	49.2						
IV 0+00	10:30	57.1 / 56.8	56.95	57.0		+0.9	57.9	1158	Last sta. on Gr. Rd. 0+00 (SEE NOTES FOR SEPT 3 OR 4)
1+00	10:40	54.1 / 52.9	54.0	–		+0.9	54.9	1098	One West of 0+00
2+00	10:45	61.2 / 60.4	60.8	–		+0.9	61.7	1234	In wash on granite outcrop(?)
3+50	10:50	61.0 / 60.0	60.5	–		+0.9	61.4	1228	cor 6, 7, 11, 12 discovery Pit at 3+80
4+50	11:00	33.2 / 32.2	+32.7	–		+0.9	63.6	1272	Bearing N61W from 3+50 USE + Scale
5+00	11:05	32.9 / 32.4	+32.6			+1.0	63.6	1272	" N61W " 4+50 " "
6+00	11:10	60.6 / 60.8	60.2			+1.0	61.2	1224	" N61W " 5+00
7+00	11:20	62.5 / 61.4	61.95			+1.0	63.0	1260	" N61W " 6+00
TP 8+00	11:25	34.5 / 32.3	+33.9	–		+1.0	64.9	1298	CHANGED +SCALE BEARING STARTING AT THIS PT TO S27W
"	11:40	34.6 / 33.2	+33.9			+1.1			+SCALE " " " " " " "
9+00	11:53	37.8 / 36.9	+37.4	–		+1.1	68.5	1370	+ SCALE
10+00	11:59	41.0 / 41.4	+41.2	–		+1.1	71.3	1426	+ " TUFF OUTCROPPING IN SMALL WASH. (MUCH GRANITE FLOAT)
11+00	12:08	50.8 / 49.2	+50.0	–		+1.1	81.1	1622	+ " "
12+00	12:15	53.8 / 52.0	+52.9	–		+1.2	84.1	1682	+ " "
13+00	12:22	42.2 / 41.0	+41.6	–		+1.2	72.8	1456	+ " STILL S27°W.
14+00	12:31	40.6 / 39.3	+39.9	–		+1.2	71.1	1422	+ " CHANGE HERE TO N61W
15+00	12:37	38.5 / 37.4	+37.9	–		+1.3	69.2	1384	+ " "
16+00	12:42	38.0 / 37.2	+37.6	–		+1.3	68.9	1378	+ " "
17+00	12:50	44.0 / 42.8	+43.4	–		+1.3	74.7	1494	+ " "
18+00	1:00	38.8 / 37.5	+38.2	–		+1.3	69.5	1390	+ " RETURNED TO STA 14+00 & WENT S61E 100' MONZONITE OR GRANITE PORPH.
19+00	1:07	46.2 / 44.5	+45.3	–		+1.3	76.6	1532	+ " MON-TUFF CONTACT 25' SE. STRIKES ± SOUTH.
20+00	1:20	55.5 / 54.8	+55.15	✓		+1.4	86.6	1732	+ " N61E
21+00	1:25	63.3 / 61.2	+61.75	–		+1.4	93.2	1864	+ " "

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D	INTENSITY GAMMA	REMARKS GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)

P. 2

MAGNETOMETER DATA SHEET

AREA: Adams Gila Claims LOCATION: Pinal Co. Ariz LINE: E

OPERATORS: C. Fair B. McLain BASE DATUM: 50 = 1000 γ INST. NO: Sharpe SCALE VALUE: 20 γ DATE: 9-7-59

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
22+00	1:30	54.1 53.0	+53.55	–		+1.4	85.0	1700	N27E From this corner.	+ Scale
23+00	1:42	48.2 46.8	+47.5	–		+1.4	78.9	1578	N27E	"
24+00	1:46	39.9 38.8	+39.35	–		+1.4	70.8	1416	on corner 7, 8, 12, 13.	"
25+00	1:50	63.0 61.9	64.5			+1.5	66.0	1320	Set line for End of rd.	Normal Scale
26+00	1:54	59.8 59.9	59.85	–		+1.5	61.4	1228		"
27+00	1:59	59.9 58.3	59.1	–		+1.5	60.6	1212		"
28+00	2:03	59.2 58.8	59.0	–		+1.5	60.5	1210		"
29+00	2:08	58.5 57.9	58.2	–		+1.5	59.7	1194		"
IV 30+00	2:14	58.0 57.0	57.5	57.5		+1.5	59.0	1180	Return to start of traverse	"
Base III BASE III	2:19	46.7 45.9	46.3	46.5					HIGH BASE.	
"	2:21	46.8 46.7	46.7	–					" "	
BASE II BASE II	2:45	46.5 46.0	46.3	46.4					IN WASH BY SPRING.	
"	2:47	46.6 46.2	46.4	–					" "	

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE _____

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D	INTENSITY GAMMA	REMARKS GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)

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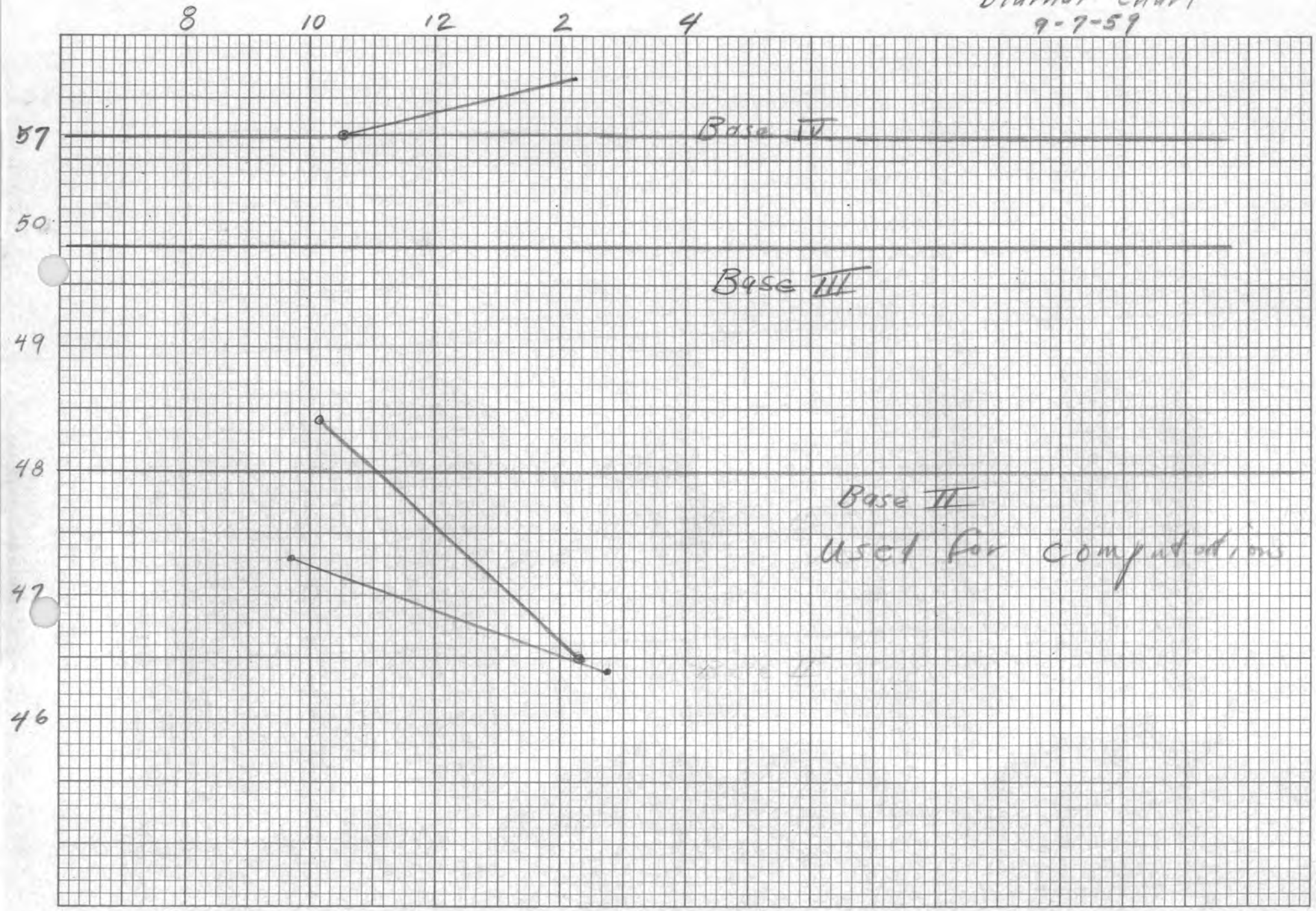
Diurnal chart
9-7-59



MAGNETOMETER DATA SHEET

AREA Adams Gila Claims LOCATION Pinal Co. Ariz LINE F

OPERATORS C. Fair B. McLain BASE DATUM 50 = 1000 ∂ INST. NO. Sharpe SCALE VALUE 40 ∂ DATE 9-8-59

	STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) REMARKS	CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
Base II	Base II	8:20	49.3 48.1	48.2	—					IN WASH BY SPRING	
	"	8:25	48.5 48.5	48.5	48.3					" "	
	"	8:30	48.4 48.2	48.3	—					" "	
Base III	BASE III	8:48	49.9 49.5	49.7	49.7					ALONG OLD ROAD, SE FOR SIDE #6	
		8:50	49.9 49.4	49.6						" "	
IV	0	9:03	58.5 57.3	57.9	59.9		+0.1	58.0	1160	0+00 END OF OLD RD. SEW. BASE 4 SEE NOTES 7 SEPT	
	1	9:10	58.9 58.0	58.4	—		+0.2	58.6	1172	1+00 BEGIN S 10° E TRAVERSE DOWN RIDGE LINE	
	2	9:15	59.9 59.0	59.4	—		+0.2	59.6	1192	2+00 MONZONITE. PORPH (MON-TUFF CONTACT BETWEEN STA 1-2)	
	3	9:20	60.9 59.4	60.1	—		+0.2	60.3	1206	3+00	
	+ 4	9:25	32.7 31.3	+32.0	—		+0.3	62.3	1246	4+00 + SCALE STILL MONZONITE PORPH BEGIN N-S BEARING	
	+ 5	9:29	34.3 33.1	+33.7	—		+0.3	64.0	1280	5+00 " " " " N-S.	
	+ 6	9:33	34.0 33.3	+33.7	—		+0.3	64.0	1280	6+00 " " " "	
	+ 7	9:37	36.6 35.3	+35.9	—		+0.3	66.2	1324	7+00 " " CROSSED SIDE LINE GILA NOG 7&8 BETWEEN STA 7&8 (COR MON 98.3 31.3 IN VIEW NG1W)	
	+ 8	9:44	35.0 33.8	+34.4	—		+0.4	64.8	1296	8+00 " " MONZONITE	
	+ 9	9:51	35.1 34.1	+34.5	—		+0.4	64.9	1298	9+00 " " ~~BEGIN~~	
→	+ 10	9:58	36.7 35.5	+36.1	—		+0.4	66.5	1330	10+00 " " BEGIN N 70° E TRAVERSE ←	
	+ 11	10:02	42.0 40.4	+41.2	—		+0.5	71.7	1434	11+00 " " " TUFF.	
	+ 12	10:07	49.5 47.7	+46.6	—		+0.5	77.1	1542	12+00 " " "	
	+ 13	10:12	51.7 51.0	+51.3	—		+0.5	81.8	1636	13+00 " " "	
	+ 14	10:17	62.9 61.0	+61.9			+0.5	92.4	1848	14+00 " " E-W. TRAVERSE TUFF	
M	15	10:27	28.2 28.0	28.1	M-N-43	(+) 2130	+0.6	28.7	2704	15+00 AUX MAG. (NO) " TUFF	
M	16	10:35	33.8 33.8	33.8	M-N-43	(+) 2130)	+0.6	34.4	2818	16+00 " " " "	
M	17	10:40	6.9 8.3	7.6	M-N-43	(+) 2130	+0.7	8.3	2296	17+00 ON COR SE GILA 13 SW #8, IN WASH	
M	18	10:45	25.2 27.5	−26.4	M-N-43	(+) 2130	+0.7	−2.9	2072	18+00 MINUS SCALE TOOK NEW BEARING OF SIDE LINE OF #13	
+	19	10:50	42.0 40.8	+41.4	—		+0.7	72.1	1442	19+00 + SCALE	
+	20	10:53	37.9 36.4	+37.1	—		+0.7	67.8	1356	20+00 " " IN SMALL WASH. TUFF & MON. FLOATS	
→ TP	21	11:06	35.3 33.9	+34.6	—		+0.8	65.4	1308	21+00 " " RETURNED TO STA 10, TOOK N-S TRAVERSE	
	22	11:10	61.9 61.0	61.5	—		+0.8	62.3	1246	22+00 Normal scale STA 21 IS 100 N OF STA 10	
	23	11:14	62.8 61.8	62.3	—		+0.9	63.2	1264	23+00 " "	
	24	11:20	58.9 58.1	58.5	—		+0.9	59.4	1188	24+00 " "	
	25	11:23	56.9 54.0	55.5	—		+0.9	56.4	1028	25+00 " "	
	26	11:27	50.4 50.0	50.2	—		+0.9	51.1	1022	26+00 " "	

Monzonite contact between 26 + 27

MAGNETOMETER DATA SHEET

AREA _____ LOCATION _____ LINE F

OPERATORS _____ BASE DATUM _____ INST. NO. _____ SCALE VALUE _____ DATE _____

STATION	TIME	N. TO E. N. TO W.	AVERAGE READING S.D. (1)	AUX. MAGNET & POSITION	AUX. MAG. CORR. S.D. (2)	DIURNAL PLUS BASE CORR. S.D. (3)	(1) PLUS (2) PLUS (3) S.D.	INTENSITY GAMMA	REMARKS: GEOLOGY (MINERALIZATION, RIDGES, VALLEYS, BLUFFS, FORMATIONS, STREAMS, DIPS, STRIKES.) / CULTURE (SURVEY MONUMENTS, BRIDGES, PIPE LINES, CULVERTS, ROADS, FENCES, PITS, CORNERS, SHAFTS, BUILDINGS, POWER LINES.)
27	11:31	48.8 48.4	48.6	—		+1.0	49.6	986	27+00 Normal scale
28	11:35	47.6 48.1	47.8	—		+1.0	48.8	976	28+00 " "
29	11:39	48.9 48.1	48.5	—		+1.0	49.5	990	29+00 " "
30	11:45	47.9 47.1	47.5	—		+1.0	48.5	970	30+00 " "
Base III 31 - Base III	11:50	49.0 48.4	48.7	48.7		+1.1	49.8	996	31+00 Base III " "
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Base II Base II	12:07	47.1 46.5	46.8	46.8					Base in wash at East end rd.
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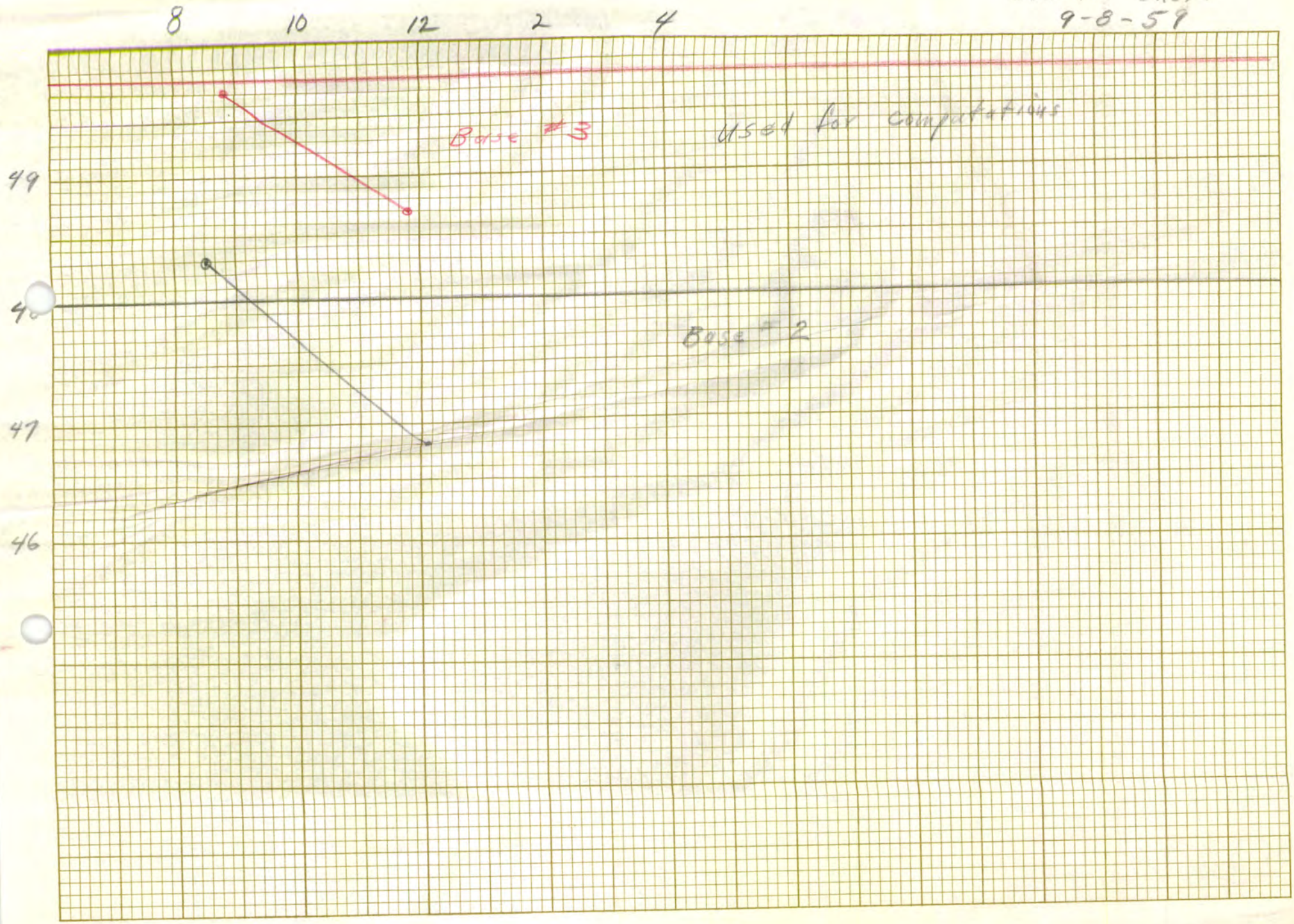

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SALESMAN

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STORE NO

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ADDRESS 6417 E. Colgate

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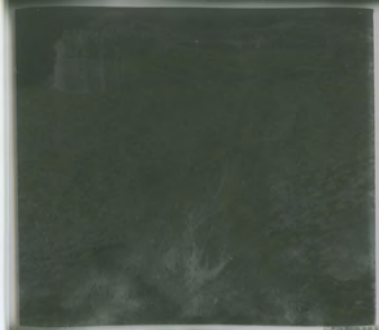
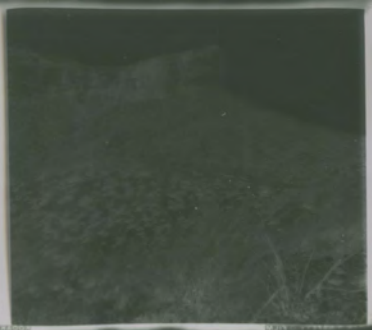
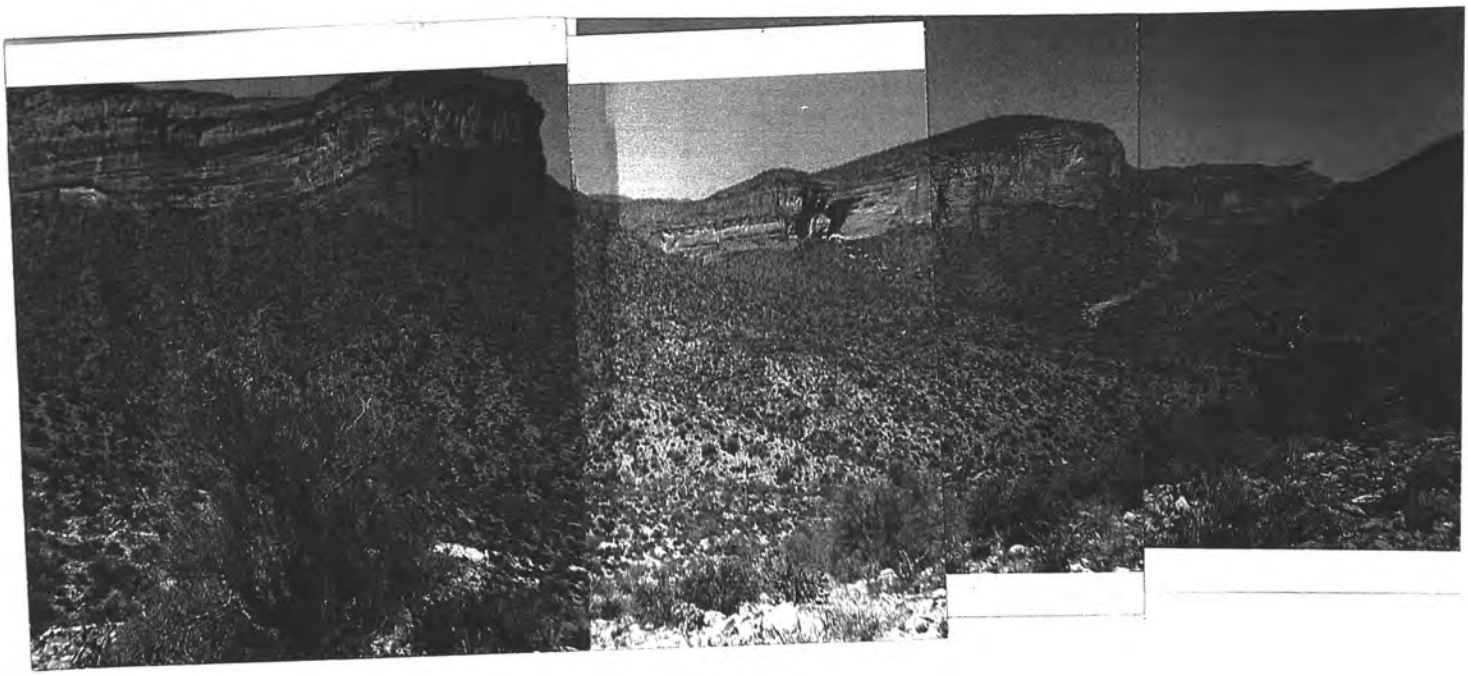






VICTOR H. VERITY
ATTORNEY AT LAW
2207 EAST WAVERLY STREET
TUCSON, ARIZONA
EAst 5-9448

November 20, 1958

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams: Re: GILA COPPER

With reference to Barney Reynolds, I have not seen or heard from him. I have always been reluctant to start an action against Barney because of his health and the fact that he did spend his time and money - far more than he ever should have - purchasing the Gila property and getting associates or lessees interested in it. However, as the years go by, nobody seems to get anywhere trying to deal on a reasonable basis with Barney. I believe that your plan is sound, as set out in your letter of November 3, of contacting Barney and trying to deal with him. If he is still unwilling to deal on sensible terms, then your only recourse would be to make a careful investigation and determine if Barney had maintained his title. If not, the ground could be relocated.

Please keep in mind that if claims are relocated, it is necessary to dig a new discovery shaft 4 x 6 x 8 ft. or make an open cut which measures 10 ft. at the face, or if there is an old shaft on the property, to sink the shaft an additional 8 ft. I do not recommend the latter procedure, owing to the difficulty at times of proving that a shaft was sunk the additional 8 ft. A new one entirely separate from the old one is much safer. Barney has presumably dug shafts on all of the claims. If you acquire title from him and the shafts are not quite deep enough, they can be freshened up to the full legal depth. You can take advantage of whatever he has done if you acquire title through him. Any monuments he may have erected, you may adopt. You may also adopt any discovery that he may have made. It is doubtful if he has a discovery on any of the claims other than where the deep churn drill hole was put down by Mrs. Purcell, or the diamond drill hole by South American Development Company.

If you relocate the ground, you will be required to dig a new shaft on each claim. Also, to locate a valid mining claim, there must be a discovery of mineral in place. You

COPY

will be faced with the same problem that Barney has, of not being able to validate the claims by discovery. The doctrine of pedis possessio is of no practical benefit because to take advantage of that, you must be in actual possession and carrying on the work that is intended to make a discovery.

If you get into litigation with Barney, neither side could prove a discovery. Between mining locators it might be possible to stipulate that that was not an issue. The proof then would hinge upon whether or not Barney had or had not performed the required assessment work to hold the claims. It would be necessary to have Al Rugg make a very careful reconnaissance of all the claims and take careful notes and photographs as to work that may have been performed in the past. Pictures should be taken of all of the surface of the claims in sufficient detail to demonstrate where work had been done and to prove where work had not been done. Testimony offered by you or any of your agents should be corroborated. The records should be searched and copies obtained of any affidavits that may have been filed of assessment work done, to see what was claimed, and then determine whether or not this work was in fact done.

Very truly yours,

Victor H. Verity

cc-RMA,Jr.
AMR,Jr.

ADCO EXPLORATIONS
LIMITED

HEAD OFFICE
Room 1404
50 King Street West
Toronto 1, Canada

President - Robert M. Adams
12th Floor Fidelity Building
Duluth 2, Minnesota, U. S. A.

August 21, 1958

Mr. J. D. Lowell
Resident Manager
Southwest Ventures, Inc.
501 East Grant Road
Tucson, Arizona

Dear Mr. Lowell:

Pursuant to my conversation with Mr. Barrington in Toronto in April, you wrote me on May 23 regarding two Arizona situations which I had mentioned. I replied on June 14 that Mr. Allen Rugg of Tucson was in touch with both of these properties, and I also mentioned Mr. Eldred Wilson as to the geology on the Gila Copper. I suggested contact with Mr. Rugg and Mr. Wilson.

On June 17 I sent you preliminary data on the Fortuna-Riqueza in the form of a 1952 report. This was acknowledged by your office on June 20 stating that you were out of the country. I am wondering if you have now returned to Tucson, and whether you now would desire to go further in looking into these two Arizona situations.

Very truly yours,

Robert M. Adams
law

RMA:law
cc: Mr. J. D. Barrington
Mr. Allen M. Rugg, Jr.

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

August 7, 1958

Mr. Allen M. Rugg, Jr.
5202 East 16th Street
Tucson 13, Arizona

Dear Mr. Rugg:

GILA COPPER

The principal question at the moment is real estate--what to do about it and when. Bob and I talked about this in San Francisco.

First as to Reynolds. We feel that the Reynolds ground is technically open. That no assessment work has been done maybe since the Purcell drill hole of some years ago. If, as and when anyone relocated any of that ground, it might bring about litigation, in which event Reynolds would have to prove that the assessment work had been kept up.

Another angle would be that we, speaking for Mrs. Wilson, could cause assessment work to be done and then call upon him for his ~~that they~~ share. Mrs. Wilson, however, in that power of attorney, and that's what it amounts to, is not responsible for doing assessment work or even contributing to it. Her only motive in so doing would be to protect claims in which she had a half interest.

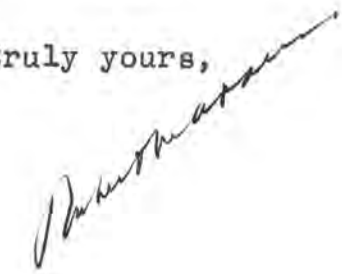
Still a third approach might be to consult Reynolds and point out that we have Mrs. Wilson's position which is thus and so, and what steps have been, are and will be taken regarding assessment work?--meaning show us that you have done it. If he refuses to divulge whether assessment work has been done or prove that it has been, then Mrs. Wilson and we through her, could take steps for protection in whatever manner seemed best.

I would appreciate your slant on this Reynolds question. You may want to talk to Mr. Wilson about it. If and when any real interest is shown by anyone in that area, the legality of the Reynolds ground is going to come up immediately. While we feel that we have a perfectly good hold on a half interest in that ground, what good is that to anyone if the ground in fact is open because assessment work has not been done?

Mitchell. In consulting Mr. Wilson about what Reynolds land might be desirable (whether it all will be needed), he suggested that the Mitchell be considered also. This rather surprised me because he had previously advised that he didn't think it was necessary. In any event, in our last telephone conversation you remarked that Mitchell now "might be reasonable". We had an experience with Mitchell once when we supposedly had talked out a deal with him, but a good deal of time passed before we got to the stage of drafting. Meanwhile he had wanted to get Mr. Moehlman crystallized and finally the matter fell through, I really imagine because Hayden started to take shipments from him again.

Gila Copper is in a way a tough customer. Mr. Wilson once called it a $64,000 geological question. That about describes it, only $64,000 might be a little low to make or break it? Any step made opposite Reynolds and/or Mitchell is going to cost money. Each of those men will not be easy to deal with. Copper is beginning to look better. When the copper psychology applied to Gila Copper will be favorable, I don't know. Thus we don't want to step out and seriously start to negotiate for additional ground until we pretty well know what we are doing. At the same time, however, it seems advisable for us to exchange ideas of those concerned to see if we can figure out the best courses of action.

Very truly yours,



RMA:kd

cc: R. M. Adams, Jr.

PHILIP H. ANGELL
ROBERT M. ADAMS, JR.
T. F. ANGELL

PHILIP H. ANGELL, JR.
EDWARD L. BARRY

ANGELL AND ADAMS
ATTORNEYS AT LAW
200 BUSH STREET
SAN FRANCISCO, CALIFORNIA

YUKON 2-4151

June 25, 1958

Mr. Robert M. Adams
1200 Fidelity Building
Duluth 2, Minnesota

Re: Gila Copper - Kern County

Dear Dad:

I had a conference with Mr. Bill Griswold of Kern County the morning of June 24th and left with him the items enclosed in your letter of June 17th. I also left him a copy of the letter.

He inquired how long ago Kennecott had looked at the property and I told him it was earlier this year. He says that Mr. Cook of Kennecott has been very cooperative in the past and he expects to be able to get information as to Cook's reaction on an informal basis. I hope that Cook won't put too much of a damper on the property.

Griswold says he is going to rely entirely on Wallace's recommendation. After Wallace has seen the property and examined the data he will either recommend a drilling or other exploration program or will indicate that he does not consider it of interest. We should get a relatively quick decision.

Griswold indicated that there may be some delay since both he and Wallace are scheduled for a trip out of the country for five or six weeks. I told him that although we did not want the matter open indefinitely I thought that we would prefer to have them take whatever time they thought was proper to satisfy themselves, rather than to rush through a determination with insufficient time; hence, I certainly did not want to indicate any kind of a deadline for them.

I outlined in general our views with respect to real estate and explained the general nature of our arrangement with American Metals as you had indicated in your letter. Griswold replied that so far as they were concerned it was not their policy to go out and locate ground surrounding an area which was presented to them and then expect to hold it out of the picture. As he expressed it, if we decide that we have to locate more ground and then drop out, the additional ground would go back to us and that they would be willing to locate it in our name. He did say that where, in situations like this, they had to go out and spend money to acquire a real estate position, they did not consider that they were obligated to include that in the picture but that in any event if they felt additional area were needed they would certainly give us the first

opportunity to acquire it. We agreed that in general it is usually advantageous for someone other than an operating company to be the front for acquiring necessary real estate and preferably before any drilling is undertaken. Griswold also indicated that it is their general objective to try to determine relatively promptly what exploration they want to do so as to avoid prolonged carrying costs. For example, where they decide to locate claims they try to schedule their drilling so that it can be done within the 90 day period following location and reach a decision so as to avoid doing unnecessary location work if the results are not favorable.

As to the general type of business deal, Kern County has no policy against anyone having a participating interest. This is something that we could certainly explore. He did indicate that there was no point in our trying to discuss a business deal until they knew for certain they wanted to go further with it. As he put it, where you are dealing with unreasonable people they sometimes refuse to even consider a property until they have a definite business deal all buttoned up, but where they are dealing with people who are experienced in the problems of exploration and development they are quite content to examine the physical picture thoroughly assuming they will be able to work out a satisfactory and realistic business deal.

I left it that Griswold would expect to get a report from Wallace and that then he would get in touch with me. In view of their trip abroad I suspect that there will be no occasion for you to come to San Francisco in July so far as any discussion with Kern County is concerned.

Yours,

RMa Jr.

cc-Allen M. Rugg, Jr.

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

June 14, 1958

Mr. Eldred Wilson
1132 East Seneca Street
Tucson, Arizona

Dear Mr. Wilson:

Again on an incomplete acknowledgment of your last letter, but as to Gila Copper I have talked with Allen Rugg on the phone on the 6th and I have written him further today.

Kern County Land advises they are interested and wish to have all of our data and go further into Gila. Ventures--Mr. Lowell--had referred to him from Mr. Barrington the President in Toronto the subject of both Gila and Fortuna. Mr. Lowell has requested information on both. I have advised him that it will be furnished. Meanwhile, I have suggested to him that he talk with you about Gila Copper geology.

One of the principal things that is bothering us is the Reynolds ground. Personally I feel that he has done no assessment work for years. If that is the case, it is open ground. Maybe we are all kidding ourselves in thinking it is in good standing. Thus, we are debating what to do about it. I mention this to Allen Rugg and Vic Verity also in writing them.

Very truly yours,

RMA:law
cc: Mr. Robert M. Adams, Jr.
Mr. Allen M. Rugg, Jr.
Mr. Victor H. Verity

PHILIP H. ANGELL
ROBERT M. ADAMS, JR.
T. F. ANGELL

PHILIP H. ANGELL, JR.
EDWARD L. BARRY

ANGELL AND ADAMS
ATTORNEYS AT LAW
200 BUSH STREET
SAN FRANCISCO, CALIFORNIA

YUKON 2-4151

June 6, 1958

Wayne K. Wallace, Chief
Minerals Geologist
Kern County Land Company
2624 North First Avenue
Tucson, Arizona

Dear Mr. Wallace:

I acknowledge receipt of your letter of June 3d. As I suggested to Mr. Griswold over the phone the other day, Mr. Allen M. Rugg, Jr., at Tucson, whom I believe you know, has done some work for us in connection with the Gila Copper area and is in a position to discuss it with you.

I understand that Mr. Rugg expects to be in Tucson most of the time between June 15th and June 21st. I am asking my father in Duluth to check with Mr. Rugg and to send on to him any pertinent data which Mr. Rugg may not have so that it can all be turned over to you for your study. Accordingly, I suggest that you arrange to meet with Mr. Rugg.

Yours very truly,

Robert M. Adams Jr

Robert M. Adams, Jr.

cc- Allen M. Rugg, Jr.
5202 East 16th Street
Tucson, Arizona

cc- Robert M. Adams

cc- William T. Griswold

Kern County Land Company
2624 North First Avenue
Tucson, Arizona
June 3, 1958

Mr. Robert M. Adams, Jr.
Angell and Adams
200 Bush Street
San Francisco, California

Dear Mr. Adams:

A preliminary examination of the Gila Copper Area has been completed. Discussions were also held with Mr. Eldred Wilson and Richard Moore, or the Arizona State Bureau of Mines. The Gila Copper Area is of interest to Kern. We would like to evaluate all available data concerning the area.

Data of primary interest would be drill hole assays and geologic logs. Information and assays pertaining to the Purcell Churn Drill Hole would be of major importance. Any and all data you may obtain concerning the property will be appreciated.

I wish to thank you for bringing this property to our attention.

Sincerely yours,

Wayne K. Wallace

Wayne K. Wallace
Chief Minerals Geologist

cc: Mr. W. T. Griswold

WKW/cd

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

April 30, 1958

Mr. Eldred D. Wilson
1132 East Seneca Street
Tucson, Arizona

Dear Mr. Wilson:

Re: GILA COPPER

Pursuant to conversations on a recent trip East, I want to pass on to you some parts of conversations regarding the property.

Kennecott. Mr. Burgess admits that Arizona and this part of it are definitely favorable for finding copper but perhaps the very fact that it is geographically so well located tends to make people more skeptical about the possibilities, whereas if it were way off in the bush, green fields tend to be attractive.

Now just how much Cook, the district geologist of Kennecott whose headquarters are in San Francisco, did or had done in investigation on the ground, I do not know, but in any event, their present conclusion was negative. Perhaps the fact that they had explored in the general area, though admittedly on an entirely different target, may have had some bearing.

The present economic conditions and drop in the price of copper caused Kennecott to cut back considerably on their exploration appropriations. That doubtless has a bearing.

Burgess came up with one thought that I want to pass on to you and Mr. Rugg. That is, to take samples from Mitchell's placer copper, then have them analyzed for "trace minerals". They know what trace minerals are contained in their Ray ore. If they found that the two were similar, then they would feel that that placer copper had migrated from Ray. If it didn't, then that doubt as to Gila Copper would be removed.

I told Burgess that we could arrange to get the samples easy enough, but we wouldn't know where to go from there.

I know you feel that this did not come from Ray and have explained to me why, but I think all these companies wonder if that may not have happened and they can't quite get it out of their minds.

The Gila Copper is being mentioned to a couple of other concerns. We will see what comes therefrom, but meanwhile coming back to Kennecott, I suggested to Burgess that he have Cook contact you and that I was quite sure you could answer any questions that Cook might raise far better than I could. I believe Kennecott is doing some exploration work near Safford and that Cook comes to Arizona frequently. If he does contact you, pursuant to my suggestion to Mr. Burgess, you can at least satisfy yourself whether Kennecott is or is not on the right track geologically in their thinking as to this project.

American Metal. I also had a session with James in New York and he said that they really were definitely interested and did a lot of work. He said that he had two men on the field geology there for two months. That they brought in outside consultants but that in their exploration department they couldn't agree "as to a target or the means of going after it" and so in such instances they simply drop a given matter. Now just what their theories were, I don't know. They did a considerable amount of work and got up nice maps which you criticized and I didn't see fit to tell American Metal that you didn't think too much of their geology.

Various companies are definitely interested in copper and, regardless of present conditions or the prices, are always on the look. Psychologically the present conditions do have an effect, though they really shouldn't, on such a long range thing as mineral exploration and development.

I asked Burgess of Kennecott if they'd considered any geophysical work. He said they had thought of all the possible geophysical tools and had given up that angle because they wouldn't know what they were after. That doesn't express it well. I think what he meant was that without having arrived at a geological theory, they wouldn't know how to interpret geophysical results. I imagine Mr. Rugg will have something to say by way of comment on that.

Now coming to our position. To a certain extent, we have a bear by the tail and don't like to let go. The drilling admittedly would be very expensive. It is a company bet and the trick is to try to find the company that will play the bet and I don't know how long we may have to wait to accomplish this and that means, what are we going to do in the meantime?

I presume when you suggested that the Mitchell ground be added that was just a measure of safety, to be added to part of the Reynolds and our thirteen Gila claims.

By the way, James referred to boulders, some of which had veinlets of copper. I imagine they thought that those boulders may have come a considerable distance.

Very truly yours,

RMA:kd

cc: Mr. A. M. Rugg, Jr.
Mr. R. M. Adams, Jr.

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

April 14, 1958

Mr. Allen M. Rugg, Jr.
5202 East 16th Street
Tucson, Arizona

Dear Mr. Rugg:

RE GILA COPPER

Please note the enclosed copies of correspondence of Kennecott. This apparently winds up Gila Copper as far as they are concerned. I am going to mention it in Toronto to Ventures inasmuch as at one stage they were apparently enough interested in the Reynolds claims to have financed the staking thereof; and I assume that was simply on the strength of the Mitchell(Copper Butte)placer showings, and that Mr. Wilson's geological theory of the sulphides will be something new.

Very truly yours,

Robert Adams

RMA:law (Enclosures)
cc: RMA, Jr.

C O P Y

BEAR CREEK MINING COMPANY
161 East 42nd Street
New York 17, N. Y.

April 11, 1958

Mr. Robert M. Adams
Fidelity Building
Duluth, Minnesota

Dear Mr. Adams:

Mr. Annan Cook has examined all of the reports and other documents available on the Copper Butte (also called Gila Copper) area in the Mineral Creek mining district, Pinal County, Arizona, and has also carried out some field work there.

His conclusions accord with those of the other men, who have examined this area on behalf of Kennecott in years past, that the likelihood of finding important orebodies is extremely remote. Mr. Cook does suggest, however, that if the funds and crews were available a few geophysical traverses across the whole area might be worthwhile. Inasmuch as we do not presently have the crews and funds available for this work, I am writing to inform you that we are not presently interested in proceeding with you to negotiate a deal. I wish to thank you, however, for having brought to our attention the availability of this property.

I look forward to seeing you for lunch on April 21. With best regards,

Sincerely,

/s/

C. H. Burgess

CHB:JM

cc: Mr. Annan Cook

December 3, 1957

Mr. Robert M. Adams
Robert M. Adams Company
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

RE GILA COPPER

With your letter dated November 12 here for several days, I finally managed to talk to Eldred Wilson. He is out of town most of the time working on the new state geological map.

I am reasonably sure that no assessment work has been done on the Reynolds ground for some time. Since Fred Mitchell was not around his mine the last two times I was up there, I never did get to talk to him about the claims. I will try to find him the next time I am in that area and see what he knows about assessment work on the Reynolds claims.

Mr. Wilson said that he would answer your letter soon. He did not want to talk about the American Metal Geology except to say that it was very poorly done.

As to the other mineralized zones shown on their map, only those in sections 34 and 35 are known to Mr. Wilson and were both drilled by Kennecott. However, the maximum depth of drilling was 300 feet. The mineralization is placer type similar to Mitchell's ground.I have not seen the other areas either.

Kennecott's drilling did not get through the Whitetail conglomerate so is of little value in checking the source of the placer copper. The zone they drilled is alos lower grade than Mitchell's so this may be and indication that the Gila claims are closer to the source than the other zones of mineralization.

Very truly yours,

Allen M. Rugg, Jr.

cc: Mr. Robert M. Adams, Jr.
Mr. Victor H. Verity

1132 East Seneca Street
Tucson, Arizona
December 3, 1957

Mr. Robert M. Adams, Jr.,
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

Referring to your letter of November 12, my answer has been delayed because I was away on a trip.

The mineralization which you mentioned in the northeastern portion of Sections 35 and 34 is locally known as the Red Hills Area. It is a placer somewhat similar to the Mitchell Placers.

I believe you have my report of November 29, 1952 to Mr. Fred Searls, Jr. On page 6 is a reference to the Red Hills Area. It is my belief that the Red Hills Placers were formed in much the same manner as the Copper Butte Placers, although they are of considerably lower grade that Mitchell's placer.

Mr. Allen Rugg was in this morning, and we discussed your questions, but neither of us knows anything very definite about the areas of Section 3, Section 4, and Section 5 which you mentioned.

I take this opportunity to wish you a Merry Christmas and a Happy New Year.

Sincerely yours,

Eldred D. Wilson

cc: Mr. Victor Verity
Mr. Allen M. Rugg, Jr.

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

November 12, 1957

Mr. Allen M. Rugg, Jr.
5202 East 16th Street
Tucson, Arizona

Dear Mr. Rugg:

RE GILA COPPER

Yours of the 2nd of October. I have an idea that no assessment work has been done on the Reynolds ground for quite some time; though of course we cannot definitely so state from our present information or lack of it.

We have Mrs. Wilson's 1/2 interest in the Reynolds ground under option and as against Reynolds we think it is virtually a 1/2 interest. But if Reynolds doesn't do his work, what good is the Wilson interest?--no good if somebody should relocate on top of Reynolds. I imagine Reynolds is simply betting that nobody will do so. Now we are not contemplating talking further with Reynolds at this time. When I was in Tucson last January, I believe he was ill, and I don't know what is the present condition of his health if, as and when we might want to have any contact with him.

Whatever we do with Reynolds is going to cost money. The following are possibilities:

A. Relocate some of Reynolds ground claiming he hasn't done his work and precipitating a scrap --we are not contemplating this at the present time.

B. Asking Reynolds if he has been doing his assessment work and advising him that we have control of Mrs. Wilson's interest.

C. Stepping in and doing the assessment work and then calling on him to pay 1/2 of it.

As a matter of fact, we are not going to make any of these moves at the moment--we are just thinking out loud. If we should find that a company is seriously interested, then we would have to between us cross this bridge as to what to do about the Reynolds ground. Until then, we are letting well enough alone hoping that, as Reynolds doubtless does, no one will jump his claims.

It might be that Fred Mitchell would know whether Reynolds had been doing his work. I believe you ascertained in the court

house at Florence that nothing had been recorded for several years. I wouldn't think that Reynolds and Mitchell would have been too friendly all these years after they didn't cooperate when the South American Company wanted an extension, but it may be that Reynolds did have Mitchell do something in the line of assessment work for him? I wonder one of these days if a chat with Mitchell as to things in general would be productive?

Here is another one: Regarding Eldred Wilson, to whom I sent the data supplied me by American Metal after they had made a geological survey, accepted the property and then regretted and turned over their maps; Mr. Wilson did not approve of the American Metal geology. But there are two questions which I would like to ask coming from examination of the American Metal data--note enclosed copy of letter to Mr. Wilson. Maybe you could compare notes with him thereon?

Very truly yours,

Robert Adams

RMA:law
Enclosure
cc: RMA, Jr.
VHV

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

November 12, 1957

Mr. Eldred Wilson
1132 East Seneca Street
Tucson, Arizona

Dear Mr. Wilson:

RE GILA COPPER

The American Metal geological survey, though on which information you commented, I have been wanting to ask you some further questions for some time, and you will note I am sending a copy of this letter to Mr. Rugg.

On the American Metal study they show with little red dashes "Copper-iron Mineralization." Naturally they show this at the Copper Butte Mine. Then going southwesterly something less than two miles there is the notation in the northeast part of Section 35--"Kennecott Drill Holes", and this mineralization is noted there.

Over in the northeast portion of Section 34 there is again this mineralization noted.

At a point about three and a half miles southwest of the Copper Butte Mine in the north central part of Section 3, again this mineralization.

Finally at a point from four and a half to five and a half miles southwest from the Copper Butte Mine along the same direction copper-iron mineralization is shown for an extent of a mile in the northwest part of Section 4 and the northeast part of Section 5, including the Pioneer Mine.

What do these occurrences mean to us?

Very truly yours,

RMA:law
cc: Mr. Allen M. Rugg, Jr.
Mr. Robert M. Adams, Jr.
Mr. Victor H. Verity

October 2, 1957

Mr. Robert M. Adams
Robert M. Adams Company
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

RE; GILA COPPER

With reference to your letter dated September 27, 1957, I could not see that Reynolds had done any work on his claims since we had staked the Gila claims. If any work has been done, I believe that it would have to be such that no new roads were required.

Mr. Fred Mitchell was no longer working his claims so did not see him to check on Reynolds.

In connection with your interest in the Reynolds claims, i would suggest that you hire a plane and photographer to take some aerial photos of the claims each year. It would seem that these would show evidence of any new work or lack of it fairly well.

Very truly yours,

Allen M. Rugg, Jr.

cc: Mr. Robert M. Adams, Jr.

VICTOR H. VERITY
ATTORNEY AT LAW
2207 EAST WAVERLY STREET
TUCSON, ARIZONA
EAst 5-9448

September 25, 1957

Mr. Robert M. Adams
12th Floor, Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

I enclose the original "Affidavit of Labor Performed and Improvements Made" covering the Gila Nos. 1-13, both inclusive, mining claims, for the assessment year ending July 1, 1957.

This affidavit was recorded September 13, 1957 in the office of the county recorder of Pinal County, Arizona, in Docket 186, Page 501.

Very truly yours,

Victor H. Verity

VHV:ca

Enc.

cc: Mr. Robert M. Adams, Jr. (with conformed copy)
Mr. A. M. Rugg (of affidavit.)

COPY

September 11, 1957

Mrs. Sophie M. Smith
Pinal County Recorder
Florence, Arizona

Dear Mrs. Smith:

I enclose an Affidavit of Labor Performed and Improvements Made, covering the Gila Nos. 1 to 13 inclusive, mining claims.

Will you please record this document and return it to me. Also enclosed is my check for $1.75.

Very truly yours,

Victor H. Verity

Enc. (2)

VHV:ca

cc: Mr. Robert M. Adams
Mr. Robert M. Adams, Jr.
Mr. A. M.Rugg, Jr.

July 17, 1957

Mr. Robert M. Adams
Robert M. Adams Co.
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

Enclosed is the statement for the Gila assessment work. Please send check either directly to Tate or to me and I will send it on.

I went up to the area yesterday to check on the road. It starts from Barcelona wash about the center of Gila No. 4 and ends about 200 feet south of proposed churn drill hole No. 1 is plotted.

I could find no evidence of work having been done on the Jim claims.

Mitchell has been shut down for some time and the road to his mine is becoming very poor but is still passable.

Very truly yours,

Allen M. Rugg, Jr.

April 4, 1957

Mr. Robert M. Adams
Robert M. Adams Co.
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

RE: GILA COPPER

With reference to your letter dated Febr. 8, 1957, I stopped at Florence on my way to California to check on the Jim claims belonging to Barney Reynolds. The last affidavit of labor on record is in Docket 61, p. 526 for Jim claims 1-46. The work was done for the year ending July 1, 1952 by Isbell Construction Co. and Martha Purcell. A similar affidavit for the year ending July 1, 1951 is in Docket 61, p.38.

A check was also made to determine whether or not claims have been staked over the Jim claims. No evidence could be found in the records. However, this is not a very good way to check since descriptions are often very general as to the location of the claims.

Very truly yours,

Allen M. Rugg, Jr.

cc. Mr. V.H. Verity

April 4, 1957

Mr. Robert M. Adams
Robert M. Adams Co.
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

RE: GILA COPPER

With reference to your letter dated March 8, 1957 I finally talked to Mr. & Mrs. Wilson about obtaining an option on their interest in Barney Reynold's claims. They are agreeable to the terms mentioned in your letter. In fact, I think they feel that they will be lucky to get anything out of them if someone doesn't step in to force Barney Reynolds into a reasonable agreement.

I asked if they had any guarantee that Reynolds had been doing assessment work and they do not. You are correct that Mrs. Wilson's interest is only in the profit with no say concerning the claims.

I am on my way to Canada now. Will let you know as soon as possible when the job will be completed.

Very truly yours,

Allen M. Rugg, Jr.

cc. Mr. V.H. Verity

File under
Adams - Gila Copper

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

March 8, 1957

Mr. Allen M. Rugg, Jr.
5202 East 16th Street
Tucson, Arizona

Dear Mr. Rugg:

RE GILA COPPER

When I was last in Tucson in January I talked with Mr. Eldred Wilson about the Reynolds property adjoining the Gila Copper claims, our contact to date with Mr. Reynolds and the interest which Mrs. Wilson has with Mr. Reynolds.

I asked him if later on I wanted to discuss Mrs. Wilson's interest we could do so, and I understood that we could.

On the assumption that the source of the placer copper on Copper Butte comes from the southwest, we located Gila ground to the south of Reynolds and additional ground may be located further southwest. Just where this source may be is a big question, and even if it were successfully found it might take a considerable time and a great deal of exploration to do so. Thus from the physical standpoint there can be no timing which is anything but guesswork.

From an ownership standpoint the last conversation which Vic Verity had with Reynolds was, as I remember it, that Reynolds wanted half a million dollars and a retained interest of 10 per cent on top of that. It would thus appear unlikely that a satisfactory arrangement could be made with Mr. Reynolds at this time by anyone.

Mrs. Wilson has a half interest in the proceeds of the Reynolds claims but full control in the handling of the property is left with Reynolds. Thus this interest is not a half interest in the property but just a half interest in the profits which Reynolds alone might bring about. Meanwhile, the property continues entirely in his control.

As to assessment work, unless that is kept up--and on 40 claims that is $4000 a year--the property could be lost. Hence it appears that when, as and if this share of the profits might produce any money is decidedly problematical.

Under these conditions it would seem impossible to adequately appraise the value of this share of possible profits. No profits have been realized to date because the property has had no successful outcome. When it might have in view of the way the property is held and has been handled is still another question.

Frankly, while I have the Gila Copper claims I would like to have the Reynolds ground or some of it, but that appears impossible of negotiation. Perhaps to have an option on Mrs. Wilson's interest might in the long run be helpful even though at the moment I do not know that the owner of that interest (share of profits) could force anything as to the disposition of the property or even the carrying of it. For instance, how does Mrs. Wilson know that the assessment work has been kept up or will be and what can she do about it?

I wonder if she would care to give an option upon her rights under her agreement with Mr. Reynolds for the present on a rather nominal income with the right to purchase her interest. To illustrate, I suggest the following:

Option to buy for four years--

1st year	$ 500.00, payable quarterly
2nd year	$ 500.00, payable quarterly
3rd year	$1000.00, payable quarterly
4th year	$1000.00, payable quarterly

If the option is exercised, the purchase price of $50,000 to be paid at $10,000 a year over five years without interest.

If the option is exercised, the money paid during the option period to be credited on the first year's payment of the purchase.

The purpose of the option is obviously to permit time to learn something about the area from an exploration standpoint and to see whether any deal could be made with Mr. Reynolds so that there would be any profits realized.

As this is too long a subject to discuss over the telephone, it occurred to me to write my thoughts to you and ask you to call on Mr. Wilson and explain the matter to him.

Very truly yours,

Robert Mason

RMA:law

The American Metal Company, Limited
61 Broadway
New York 6, N. Y.

DLM/ms
December 17, 1956

Mr. Robert M. Adams
Fidelity Building
Duluth 2, Minnesota

Dear Mr. Adams:

Re: Gila Copper

Thank you for your letter of December 14 in which you state that you will be in Tucson the latter part of January.

At this time we have two men from our Denver Office working on your property. Mr. McMillan is in constant contact with these men but is not doing the work himself.

I will notify Mr. McMillan of your plans and, if you will be kind enough to call him at our office (Tucson 2-5942) when you arrive in Tucson, he will be very happy to discuss the property with you and your associates.

May I take this opportunity to wish you a pleasant trip and a Merry Christmas and a Happy New Year.

Sincerely,

/s/ David L. Moore

David L. Moore

December 14, 1956

Mr. Jack A. James
The American Metal Company, Limited
61 Broadway
New York, N. Y.

Dear Mr. James:

RE GILA COPPER

I am leaving next week for the West Coast and Mexico and will be in Tucson for a little over a week the latter part of January. I am mentioning this because it might be a good time for your Mr. McMillan to talk with Mr. Verity, Mr. Rugg, Mr. Wilson and myself if you care to have him do so.

I gather that Mr. McMillan has as yet had little or no contact with Mr. Verity or Mr. Rugg.

Very truly yours,

RMA:law

c.c. V.H.V. 12/21
A.M.R.

September 1, 1956

Mr. Robert M. Adams
Robert M. Adams Company
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

RE GILA COPPER

Mr. Verity suggested that I write to you concerning the assessment work done by Darney Reynolds on the Jim group of claims adjacent to your Gila claims near Ray, Arizona.

At the time I was up there checking on the Gila location pits in August, no one was working at the Fred Mitchell property. It was hoped that someone there could give me some information on whether or not Mr. Reynolds had done any assessment work for 1955-1956.

In order to build the NW corner monument on Gila No. 1 and the NW corner of Gila No. 5, it was necessary to walk over some of the Jim claims. As far as I could see there was no difference in the area in August than there was when you visited the area in February. If assessment work has been done, I do not believe that it was road building or any other visible type of work.

Very truly yours,

Allen M. Rugg, Jr.

cc: Mr. V. H. Verity

ROBERT M. ADAMS
FIDELITY BUILDING
Duluth 2, Minnesota

August 31, 1956

Mr. Allen M. Rugg, Jr.
5202 East 16th Street
Tucson, Arizona

Dear Mr. Rugg:

RE GILA COPPER

In reply to your letter of August 20, that is satisfactory as you and Mr. Verity suggest.

Very truly yours,

RMA:law
cc: Mr. Victor H. Verity
Mr. Robert M. Adams, Jr.

August 20, 1956

Mr. Robert H. Adams
Robert H. Adams Company
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

Enclosed is Leo Vought's statement for doing location work on the Gila claims.

Very truly yours,

Allen M. Bugg, Jr.

cc. Mines Exploration & Development Co.

August 20, 1956

Mr. Robert H. Adams
Robert H. Adams Co.
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

RE: Gila Copper

An inspection was made of the Gila Copper claim location work on August 13 to determine whether or not this met legal requirements. The location work was done by Mines Exploration & Development Co., Mr. Vought's company, for $150.00 per claim. All pits and cuts met legal requirements except for the location of Gila #9. This is a cut into the hillside. The height of the face is about 9 feet, however Arizona requires a 10 foot face. There are two large boulders on the top edge of the cut. If a measurement is taken from the top of one of these, it would be over 10 feet. Mr. Verity and I have discussed this matter and believe that it will not be necessary to require Mr. Vought to send a man back to deepen this cut since it is the most remote and difficult cut to reach. The work done lacks very little of being sufficient. Please let me know what your thoughts are on this.

Mr. Vought expected to do the location work in 10 days but worked about 20 days because of rough terrain and difficulty in keeping help.

The corner monuments were built by a helper and myself during July. This completes all location work and makes the claims valid until July 1, 1957.

While working up there, the road was found which comes in from the Florence-Kelvin road to the south. By coming in this way and fording the Gila River, it is possible to drive to the east end of Gila #1, 2, 3 and 4 along Barcelona Wash. A good spring was also discovered on the north side of the Gila River a few hundred feet west of its junction with Barcelona wash. Since the spring is in the bottom of the river, it would not be usable when water was high in the river.

Very truly yours,

cc: Victor H. Verity
cc: Robert H. Adams, Jr.

July 31, 1956

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

RE: Gila Copper Area

Enclosed are the reports by Mildred Wilson on the Copper Butte area which you requested.

Hope you had an enjoyable and profitable trip to Europe.

Very truly yours,

Allen M. Rugg, Jr.

VICTOR H. VERITY
2207 EAST WAVERLY
TUCSON, ARIZONA

ATTORNEY AT LAW
AND
MINING ENGINEER

July 5, 1956

Mr. Robert M. Adams
Hotel Barclay
111 East 48th Street
New York 17, N. Y.

Dear Mr. Adams: Re: Gila Copper

Attached is a brief statement of the geology to accompany the cross section maps which you already have. This statement is one which Eldred Wilson will verify if he should be consulted.

Enclosed are three viewsof the Gila Copper ground. One you will recognize as the syncline. Another was taken from the high point where we stood and viewed the south end of the ground toward the Gila River. The other view is of the southwest end looking across Walnut Canyon. Roads in the hills were made by another company which did some drilling. The high cliff is across Walnut Canyon off the Gila claims.

I have never heard a word from Barney Reynolds since the day I talked with him while you were here.

I hope you and Mrs. Adams had a pleasant and profitable trip abroad. Today I received a card from Mrs. Vasquez who is driving across country from New York. She and her mother and husband toured Europe this summer and bought a Volkswagon in Germany which they are driving to Tucson. She expects to arrive here this weekend. As soon as possible I hope to get away on my vacation.

Sincerely,

Victor H. Verity

VHV:1
Enc.

cc-R.M.A.,Jr.
A.M.Rugg, Jr.
R.M.A. (Duluth)

COPY

COPPER DEPOSITS AT COPPER BUTTE

The copper deposits which have been mined during recent years at Copper Butte are placer deposits. The extent and distribution of these placers indicate that they were derived from an original ore body of considerable magnitude, which is now concealed. It is deduced that this original ore body was of a replacement type, somewhat similar to the Ray ore body, and that it was situated southwest of the Copper Butte placers. The structural relations inferred are shown on the accompanying cross sections.

Inasmuch as the Copper Butte placers are rather unusual in size, extent, and metal content, they must have formed under some special conditions whereby active uplift of portions of the parent ore body kept pace with erosion. These conditions are believed to have been brought about by the faulting which is known for the area and which has been projected into the accompanying cross sections. Folding and further faulting resulted in concealment of the parent ore body by the younger conglomerate, dacite, and tuff.

The area under which the parent ore body is believed to be is covered to a large extent by the Gila group of claims owned by the Robert M. Adams Company.

PHILIP H. ANGELL
ROBERT M. ADAMS, JR.
T. F. ANGELL
PHILIP H. ANGELL, JR.
EDWARD L. BARRY

ANGELL AND ADAMS
ATTORNEYS AT LAW
200 BUSH STREET
SAN FRANCISCO, CALIFORNIA
YUKON 2-4151

July 3, 1956

AIR-MAIL

Mr. Allen M. Rugg, Jr.
5202 East 16th Street
Tucson, Arizona

Dear Mr. Rugg:

In Dad's absence from the office in Duluth, there has been sent on to me a copy of your letter to him of June 30th on Gila Copper from which I note that in order to get the location work completed on the Gila Copper claims by July 17th, the dead line, it is necessary to advise Mr. Vought to start work on the 9th. I also note that Mr. Vought needs to be advised this week in order to make his plans. I have wired you today to advise Vought to proceed.

Having gone to the trouble and expense of locating these claims, I think it is essential that the necessary location work be completed in order to constitute the claims as valid holdings. Accordingly, I think the work has to be started. I fear that the cost estimates in your letter of the 30th are going to be somewhat more than we had originally anticipated, but I see little alternative. I would appreciate it if you will check with Vic Verity and Mr. Vought to see that the necessary work can be completed by July 17th at the least possible cost.

Under the circumstances, we will have to leave it to you and Vic Verity to work out the best procedure for getting this work done at minimum expense.

Yours very truly,

Robert M. Adams Jr.

Robert M. Adams, Jr.

cc- Victor H. Verity
cc- Robert M. Adams

DOMESTIC SERVICE			
Check the class of service desired; otherwise this message will be sent as a full rate telegram			
FULL RATE TELEGRAM	X	SERIAL	
DAY LETTER		NIGHT LETTER	

WESTERN UNION

W. P. MARSHALL, PRESIDENT

1206

INTERNATIONAL SERVICE			
Check the class of service desired; otherwise this message will be sent at the full rate			
FULL RATE		LETTER TELEGRAM	
VICTORY LETTER		SHIP RADIOGRAM	

NO. WDS.-CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	TIME FILED
			Angell and Adams, 200 Bush St. S.F. YUkon 2-4151	

Send the following message, subject to the terms on back hereof, which are hereby agreed to

July 3, 1956

ALLEN M. RUGG, JR.
5202 East 16th Street
Tucson, Arizona

REURLET June 30th Gila Copper. Suggest advise Vought to proceed with location work. See my letter following.

Robert M. Adams, Jr.
200 Bush Street
San Francisco, California

June 30, 1956

Mr. Robert H. Adams
Robert H. Adams Company
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams:

Re. Gila Copper

I hope you haven't given up getting the enclosed information on the Gila Copper area claims. Enclosed are two sets of maps and sections as follows:

1. Claim map showing Gila claims and some of the adjoining claims.

2. Aerial photo of area showing geology and the section lines according to Eldred Wilson.

3. Geologic sections FP, GP and BPBC.

4. Arizona State map showing approximate location of Gila copper area.

In addition some photos are enclosed showing the area taken from the Gila claims. They give an idea of the extremely rugged country where these claims are located.

Referring to the claim map, the Gila claims were laid out by starting from the corners of the Jim claims and laying out each end line separately. This was done in case the map we had was not accurate. A rough check by pacing indicates that the Jim 34 claim is over 600 feet wide and that the line from the SE corner of Jim 34 to the SW corner of Jim 24 is not straight but has an angle. By laying out the claims the way they were, there will be no gap between the Jim claims and the Gila claims.

A transit and stadia survey was made to lay out the claims since the terrain is so rough. To give you an idea of difficulties in surveying, it took two hours to go from the SW corner of Jim 34 which is on top of the cliff to the SW corner of Jim 46 which is at the bottom although the horizontal distance is only 600 feet.

An old road is shown by a red dashed line on the claim map. This road is on the bottom of a wash for several hundred feet in Jim 42 and 43

claims. It is washed out and impassible to any vehicle now. It is estimated that 3 days bulldozer work would be required to repair this road. The section in the wash would probably be washed out with the first cloudburst. Since the rains are starting now, it is doubtful that any attempt should be made to fix this road.

The only other way to get into this area would be to ford the Gila River from the south. During the rainy season, this could also be rather difficult.

I have talked to two different companies about doing location work. Both estimated $150 to $175 per claim to do this by hand. An estimate to do this same work with a bulldozer was about $125.00. Five of the locations are inaccessible even to a bulldozer without building some road. In addition two other locations are on solid rock. This means that 6 pits could be dug with a dozer at a maximum saving over handwork of $50.00 per pit or $300.00. This would not pay the cost of repairing the old road so it is believed that the pits should all be done by hand.

Lee Vought said this morning that he could start work on these pits on July 9 if he is notified next week. He thought he could finish the pits by July 17 which is the deadline. The other company Brittain and Hendrickson is tied up for the next few weeks.

If you decide to go ahead on these, I can be available during the week of July 9 to show the crews where to work and build corner monuments.

During the surveying, some of the old Jim location monuments were found on the Gila claims. No location work had ever been done. In addition two location monuments for the Republic and Republic No.1 were found on Gila No. 4 claiming north-south claims which would cover most of Gila No. 2, 3 and 4. However, no evidence of location work or corners was found so they are believed to be invalid. These claims were staked Nov. 10, 1952 by E. R. Bennett.

Very truly yours,

Allen H. Rugg, Jr.

cc. Mr. V. H. Verity

VICTOR H. VERITY
2207 EAST WAVERLY
TUCSON, ARIZONA

ATTORNEY AT LAW
AND
MINING ENGINEER

May 16, 1956

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams: Re: Gila Copper

I enclose the originals of Notices of Location for the lode claims Gila Nos. 1-13, both inclusive. All were recorded in the office of the County Recorder of Pinal County on May 4, 1956 in Docket and page shown below:

Name of Claim	Docket	Page
Gila No. 1	151	594
Gila No. 2	151	595
Gila No. 3	151	596
Gila No. 4	151	597
Gila No. 5	151	598
Gila No. 6	151	599
Gila No. 7	151	600
Gila No. 8	152	1
Gila No. 9	152	2
Gila No. 10	152	3
Gila No. 11	152	4
Gila No. 12	152	5
Gila No. 13	152	6

I have retained for my file carbon copies of the notices on which I have shown the recording data.

Very truly yours,

Victor H. Verity

VHV:l
cc-RMA,Jr.
AMR

COPY

VICTOR H. VERITY
2207 EAST WAVERLY
TUCSON, ARIZONA

ATTORNEY AT LAW
AND
MINING ENGINEER

May 11, 1956

Mr. A. M. Rugg, Jr.
5202 East 16th St.
Tucson, Arizona

Dear Al: Re: GILA COPPER

I have received a letter from Miss Laura A. Wilson, secretary to Mr. Adams, transmitting some instructions he left before he went on his trip to England. I quote as follows:

> "Have Mr. Rugg finish the map in good shape showing the new ground that we have located;"

The instructions also say "We will wait the ninety days to get our discovery pits, end stakes, etc., all in."

The claims were located on April 18, 1956. The 90 days granted by statute to complete the location work will expire July 17. While Mr. Adams would prefer to wait until later on before doing the balance of the location work, I think we should give some thought to the matter and at least make tentative arrangements so that if we get instructions to proceed we'll have someone lined up to do the job. I'll appreciate the favor if you will contact persons in the area who might do this type of work and see what you can find out.

Very truly yours,

Victor H. Verity

VHV:l
cc-R.M.A.
R.M.A.,Jr.

May 3, 1956

Mrs. Sophie Smith
Pinal County Recorder
Florence, Arizona

Dear Mrs. Smith:

I enclose 13 notices of location of mining claims to be recorded, and my check for $13.00. Please return the recorded notices to me.

Very truly yours,

Victor H. Verity

VHV:l
Enc.

cc-R.M.A.
R.M.A.,Jr.
A.M.R.,Jr.

P.S. to R.M.A. on copies:

Am changing the name of the file from Copper Butte to Gila Copper. If you prefer some other designation, however, please let me know and I will use it hereafter for correspondence and file headings. VHV

VICTOR H. VERITY
2207 EAST WAVERLY
TUCSON, ARIZONA

ATTORNEY AT LAW
AND
MINING ENGINEER

April 15, 1956

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

Dear Mr. Adams: Re: Copper Butte

Al Rugg is planning to make a trip to Copper Butte Monday, April 16 for the purpose of locating 13 lode claims. In line with the suggestion in one of your recent letters, the name "Gila" will be used. The claims will be designated as Gila No. 1-13 both inclusive. Shall we refer to this property in future correspondence as "Gila Copper"?

Al plans to use stadia as he believes it will be easier and faster in that rough country than a Brunton compass and tape. He will erect full sized location monuments on each claim where the notice will be posted. No endline monuments will be erected at this time. Building of those monuments plus sinking the location shaft or making a cut will have to be done within 90 days after location.

Very truly yours,

Victor H Verity

VHV:l
cc-Al Rugg
R.M.A.,Jr.

COPY

ROBERT M. ADAMS
Duluth 2, Minnesota

March 30, 1956

Mr. Victor H. Verity
2207 East Waverly Street
Tucson 11, Arizona

Dear Vic:

RE COPPER BUTTE

By the way, if we go further with this project, we had better have another name for it--Copper Butte belongs to Mitchell; Reynolds' Copper is not appropriate at this time. The project is near the Gila River. I suppose maybe there are many properties identified by the word "Gila"? Otherwise, would that do for our convenience?

When we were dealing with Mitchell a couple of years ago, he changed his ideas and decided to keep his property. We had gone to quite a bit of time and expense. As to Reynolds, we have never done anything except have a few conversations with him--I guess the first one going back to 1950. Now Wilson says the Mitchell ground is not what we want for this sulphide bet even if we could have it. Reynolds has changed his thinking considerably since he told you on the phone the kind of a deal he would be interested in--now he isn't interested in it at all. I gather the reason is that Mrs. Purcell has come to life and is talking of doing the assessment work. If that is the case, there is no reason why Reynolds should turn over an interest in his ground to someone to simply do assessment work. That however isn't quite what we would be doing.

What we had in mind was that we would be really taking on the burden of his property. Assessment work would be only a start. We know his monuments and his location work appear inadequate. His ground is even less attractive than before any drilling had been done on it. He proposed a 60-40 deal and where we would have been taking over a sick cat and doing all the things necessary to try to make a go of his ground--I don't believe anybody will be really doing that if he keeps relying upon Mrs. Purcell--even if they continue to do assessment work. The point is, they are not doing anything else to promote their property, and we wouldn't even be taking the thing on except in the hopes of making it part of a picture. However, let's just forget it for the time being with him. The door isn't closed, but our present understanding of his ideas adds up to an unattractive picture--not an attractive one.

Now as to adjoining ground which would be the heart of Wilson's ideas, I am thinking first of the psychology of talking to certain companies (with whom we have already talked) and having nothing tied up as the starting point. First, we thought it would be the Mitchell ground. Next, if we had 12 claims of Reynolds

that would be a sufficient hold to start with. Without it the third alternative is to have a dozen claims of our own and, all things considered, I think that is the best of the three.

If we did $1200 of assessment work for Reynolds, we might better dig 12 discovery pits and put up monuments on 12 claims of our own--without much more expense. True, we would have some additional expense in staking.

With say 12 claims immediately adjoining the south line of the Reynolds ground, or even 10 claims to start with, suppose they were located something like this--

To cover Section G, JIM 47, 50, 55 and 2 more south.
To cover Section F, JIM 51, 54 and 2 more south.
To cover Section E, JIM 52 and 53 and 2 more south.

Then start with drill hole number one on Section F and depending on that you would have some idea of what happens next. Of course if any company backed this up it might be that before any drilling more land should be located and Reynolds dealt with; but, meanwhile, it seems to me that instead of dealing with Reynolds, even if we could, and having to spend $1200 on assessment work for him we are far better off to spend that, or a little more, and have a block of 12 claims of our own surrounding proposed drill hole number one. I would think with that start we would be in a perfectly good position to talk to anybody.

There are two certain companies with whom we talked in the past and they know that we were going to have a certain geological study made. We have done that; we have got all the information that we know of on the whole picture. No one else has any but parts of the data, not the whole. We are not going to spill all the information that we have got to anyone without having a sufficient hold on the picture so that we couldn't be brushed off and a company have all the information that we had and be able to go around us.

On the phone I asked if Mitchell would object to our using his road for access for this staking--you didn't think so. I think if we do this we ought to do it as quickly as possible and as quietly as possible. I would like to see the ground located, if possible, before anybody else knows about it. Once located, then presumably no harm in talking to Mitchell, if desired, from the standpoint of discovery pits, etc. As you say, he might have men right there who would be glad to do a little work and it might save us some money?

I suggest that when you are back from Mexico the 9th, I believe you said, that arrangements for this staking be put into effect as soon as possible; and meanwhile Mr. Rugg could plan accordingly.

Very truly yours,

RMA:law cc: Mr. A. M. Rugg, Jr.; Mr. Robert M. Adams, Jr.

March 30, 1956

Mr. Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minnesota

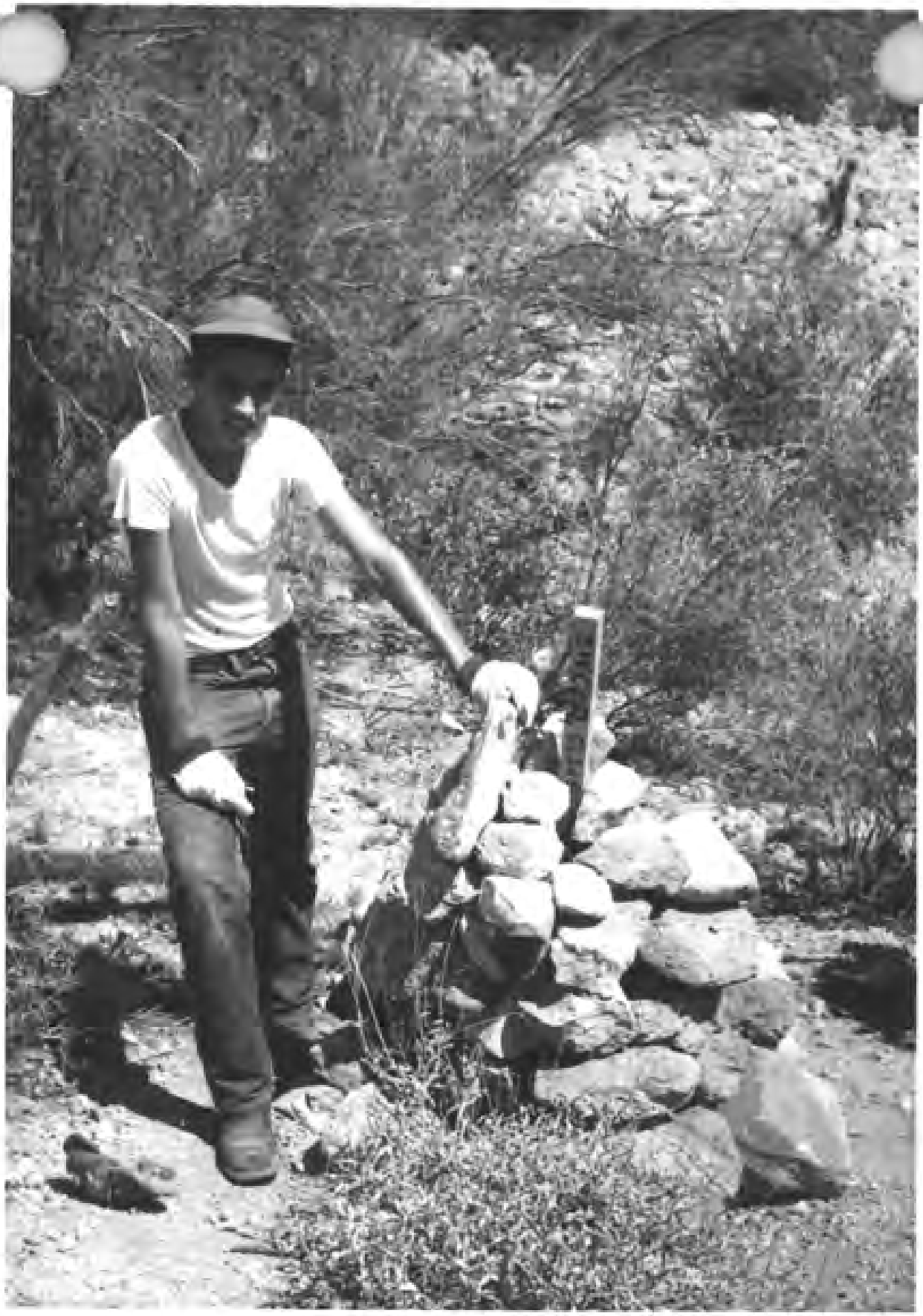
Dear Mr. Adams:

Following our phone conversation I phoned Al Rugg about locating claims at Copper Butte and he will await instructions from you.

Very truly yours,

Victor H. Verity

VHV:l
cc-Al Rugg



Gila Claim Monument

STATEMENT

Tate MINE DEVELOPMENT & SUPPLY COMPANY

3438 N. KELVIN
PHONE EAst 6-8348
TUCSON, ARIZONA

DATE July 14th, 1958

IN ACCOUNT WITH

Robert M. Adams
12th Floor Fidelity Bldg.
Duluth 2, Minn.

Job # 40-A - Gila - Assessment Work	
Fiscal year 1957-1958 - 13 claims	
As per attached Affidavits of Labor Performed	
Road Repair and Improvements	
218 man hours @ 6.00 per hr. -	1300.00
Less Retainer - Check Received 7-11-58	250.00
Balance Due	1050.00

Affidavit of Labor Performed and Improvements Made

STATE OF ARIZONA,
County of Pima } ss.

H. L. Tate being duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one years of age, and resides at Tucson in Pima County, State of Arizona, and is personally acquainted with the mining claim known as Gila #1 (Book 151) (Page 594), Gila #2 (Book 151) (Page 595), Gila #3 (Book 151) (Page 596), Gila #4 (Book 151) (Page 597), Gila #5 (Book 151) (Page 598), Gila #6 (Book 151) (Page 599) mining claim, situate in ✓ Mining District, County of Pinal, State of Arizona, the location notice of which is recorded in the office of the County Recorder of said County, in Book see above of Records of Mines, at page see above; that between the 29th day of June, A. D. 19 58, and the 12th day of July A. D. 19 58, at least Six Hundred ($600.00) - - - - - - - - - - dollars worth of work and improvements were done and performed upon said claim, not including the location work of said claim. Such work and improvements were made by and at the expense of Robert M. Adams owner of said claim for the purpose of complying with the laws of the United States pertaining to assessment of annual work, and Dale L. Sattley, Angel Hernandez, Jose Alvarado, Dick Dunham, Joe M. Couturier, employees of the Tate Mine Development and Supply Co., 3438 N. Kelvin Blvd., Tucson, Arizona were the men employed by said owner and who labored upon said claim, did said work and improvements, the same being as follows, to-wit:

Road Improvements and Repair

H. L. Tate

Subscribed and sworn to before me this 14th day of July A. D. 19 58

Helen G. Pagel
Notary Public.

(My commission expires 6-13-60)

Affidavit of Labor Performed and Improvements Made

.....

.....

Dated....., 19.....

STATE OF ARIZONA }
County of Maricopa } ss.

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

request of.....

.....

Book.....

In Docket.....

on page.....

Witness my hand and official seal the day and year aforesaid.

.....
County Recorder.

By.....
Deputy Recorder.

Affidavit of Labor Performed and Improvements Made

STATE OF ARIZONA,
County of Pima } ss.

M. L. Tate being duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one years of age, and resides at Tucson in Pima County, State of Arizona, and is personally acquainted with the mining claim known as Gila #7 (Bk.151 Pg.600), Gila #8 (Bk.152 Pg. 1), Gila #9 (Bk.152 Pg. 2), Gila #10 (Bk.152 Pg. 3), Gila #11 (Bk.152 Pg. 4), Gila #12 (Bk.152 Pg. 5), Gila #13 (Bk.152 Pg. 6)

mining claim situate in

Mining District, County of Pinal, State of Arizona, the location notice of which is recorded in the office of the County Recorder of said County, in Book see above of Records of Mines, at page see above; that between the 29th day of June, A. D. 19 58, and the 12th day of July A. D. 19 58, at least Seven Hundred ($700.00) - - - - - - - - - dollars worth of work and improvements were done and performed upon said claim not including the location work of said claim. Such work and improvements were made by and at the expense of

Robert M. Adams

owner of said claim for the purpose of complying with the laws of the United States pertaining to assessment of annual work, and Dale L. Sattley, Angel Hernandez, Jose Alvarado, Dick Dunham, Joe M. Couturier, employees of the Tate Mine Development and Supply Co., 3438 N. Kelvin Blvd., Tucson, Arizona

were the men employed by said owner and who labored upon said claim, did said work and improvements, the same being as follows, to-wit:

Road Improvement and Repair

M L Tate

Subscribed and sworn to before me this 14th day of July A. D. 19 58

Helen G. Fagel
Notary Public.

(My commission expires 6-13-60)

Affidavit of Labor Performed and Improvements Made

.....

.....

Dated....., 19.....

STATE OF ARIZONA }
County of Maricopa } ss.

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

request of.....

.....

Book.....

In Docket.....

on page.....

Witness my hand and official seal the day and year aforesaid.

.....
County Recorder.

By.....
Deputy Recorder.

RECORDED IN OFFICE OF
PINAL COUNTY RECORDER
SEPTEMBER 13, 1957

DOCKET 186
PAGE 501

AFFIDAVIT OF LABOR PERFORMED AND IMPROVEMENTS MADE

STATE OF ARIZONA)
) ss
COUNTY OF PIMA)

M. L. Tate being duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one years of age, resides at Tucson in Pima County, Arizona, and is personally acquainted with the following-described mining claims situated in the Mineral Creek Mining District of Pinal County, Arizona, the location notices of which are of record in the office of the County Recorder of Pinal County:

Name of Claim	Docket	Page
Gila No. 1	151	594
Gila No. 2	151	595
Gila No. 3	151	596
Gila No. 4	151	597
Gila No. 5	151	598
Gila No. 6	151	599
Gila No. 7	151	600
Gila No. 8	152	1
Gila No. 9	152	2
Gila No. 10	152	3
Gila No. 11	152	4
Gila No. 12	152	5
Gila No. 13	152	6

That between June 25, 1957 and July 6, 1957, at least One Thousand Three Hundred Dollars ($1,300.00) worth of work and improvements were done and performed upon said claims for the benefit of all the claims in the group. The work was done by Tate Mine Contracting & Development Company for and at the expense of Robert M. Adams Company a corporation, for the purpose of complying with the laws pertaining to annual assessment work for the assessment year beginning noon July1, 1956 and ending noon, July 1, 1957. The work consisted of road building on the claims. M. L. Tate and employees of the Tate Mine Contracting & Developing Company performed the work.

M. L. Tate

M. L. Tate

Subscribed and sworn to before me August 31st, 1957.

Helen G. Tate (nee Pagel)

Notary Public

My commission expires:

June 13th, 1960

STATEMENT

Tate MINE CONTRACTING & DEVELOPMENT CO.

~~2612 E. DRACHMAN~~
PHONE EAst 6-8348
TUCSON, ARIZONA

3438 N. Kelvin
Rt. 5 Box-911

DATE July 12th, 1957

IN ACCOUNT WITH

Allen M. Rugg
5202 E. 16th St.
Tucson, Arizona

Job # 40	
Assessment Work re. 13 claims in	
Florence - Kelvin Area -	
58 hrs. Road Building @ 20.00	1160.00
Moving Charges	140.00
Total	1300.00

Gila Copper Claims

Tate MINE DEVELOPMENT & SUPPLY CO.

3438 N. KELVIN • TUCSON, ARIZONA

PX #_____ Job # 40-A

JOB ORDER

Company Name: Robert M. Adams

Home Office: 12th Floor Fidility Blbg., Duluth 2, Minn. Phone: RA. 7-5033

~~Engineer or~~ Res.

Address: _____ Phone: RA. 4-2653

Name of Property: Gila

Location of Job: Near Ray, Arizona

Property Owned By: Robert M. Adams

Owner's Address: 12th Floor Fidility Blbg., Duluth 2, Minn.

Job Financed By: Robert M. Adams

Statements to be each: upon Completion of Job

Payments to be each: 250.00 Retainer, Bal. of 1050.00 upon Statement

Time Required for Payment: _____

Copy of Statements Required: ✓

Total Amount of Job: 1300.00 (Thirteen Hundred ——— 00/100)

Job to be Commenced by: June 30th 1958 Completed by: Apx. July 15, 1958

Type of Work: Road Repair & Improvement on Existing Mine Road Built in 1957 on or Near Gila Mining Claims

Notes: Assessment work for Fiscal year - 1957 - 1958 on 13 claims.
218 man Hours at 6.00 per hour = 1300.00
1300.00 is the Total completed Job Figure, including Wages, Taxes, FNS, Tools, Equip, Moving charges, Assessment affidavits of labor + all costs.

Job Order Accepted By: ✓ Robert Warren Date: ✓ 7/8/58

Payment Will Be Made By: 250.00 Retainer Due 6-30-58

Amount of Payment: Bal. 1050.00 Date To Be Paid: upon Reciept of Statement.

Contractors Authorized Signature: W J Tate

Date: June 30, 1958

Eleanor

File this in Adams - Gila Claims

2/28/57

~~121 - 488 485, 491~~

~~121 - 545 ? 500~~

~~107 - 364 - 366, 541 546, 343 - 347~~

~~97 - 221~~

~~111 - 561 - 593~~

~~129 - 119, 120, 211 - 215, 129 - 143, 484 486, 13 15~~

~~112 - 121 - 123~~

~~127 - 525, 526, 106 - 111~~

~~128 - 343 - 345, 97~~

~~152 - 490, 491~~

~~146 - 218 - 222~~ ?

~~147 - 247~~

~~136 - 298 302~~

~~139 - 238, 487~~

~~142 - 339, 340~~

~~143 - 270 - 279, 123 - 126, 267 - 269~~

~~114 - 468, 510~~

~~115 - 54, 55~~

~~140 - 212 214~~

~~135 - 31, 38~~

~~158 - 282, 107 - 134~~

~~156 - 73, 74~~

~~131 - 183 - 186~~

~~133 - 196~~

~~132 - 174 - 178~~

~~150 - 184, 185~~

2/28/57

Mineral Creek District

Affidavits of Labor

Docket 61 P 381

Barney Reynolds Jim Claims #1 - #46

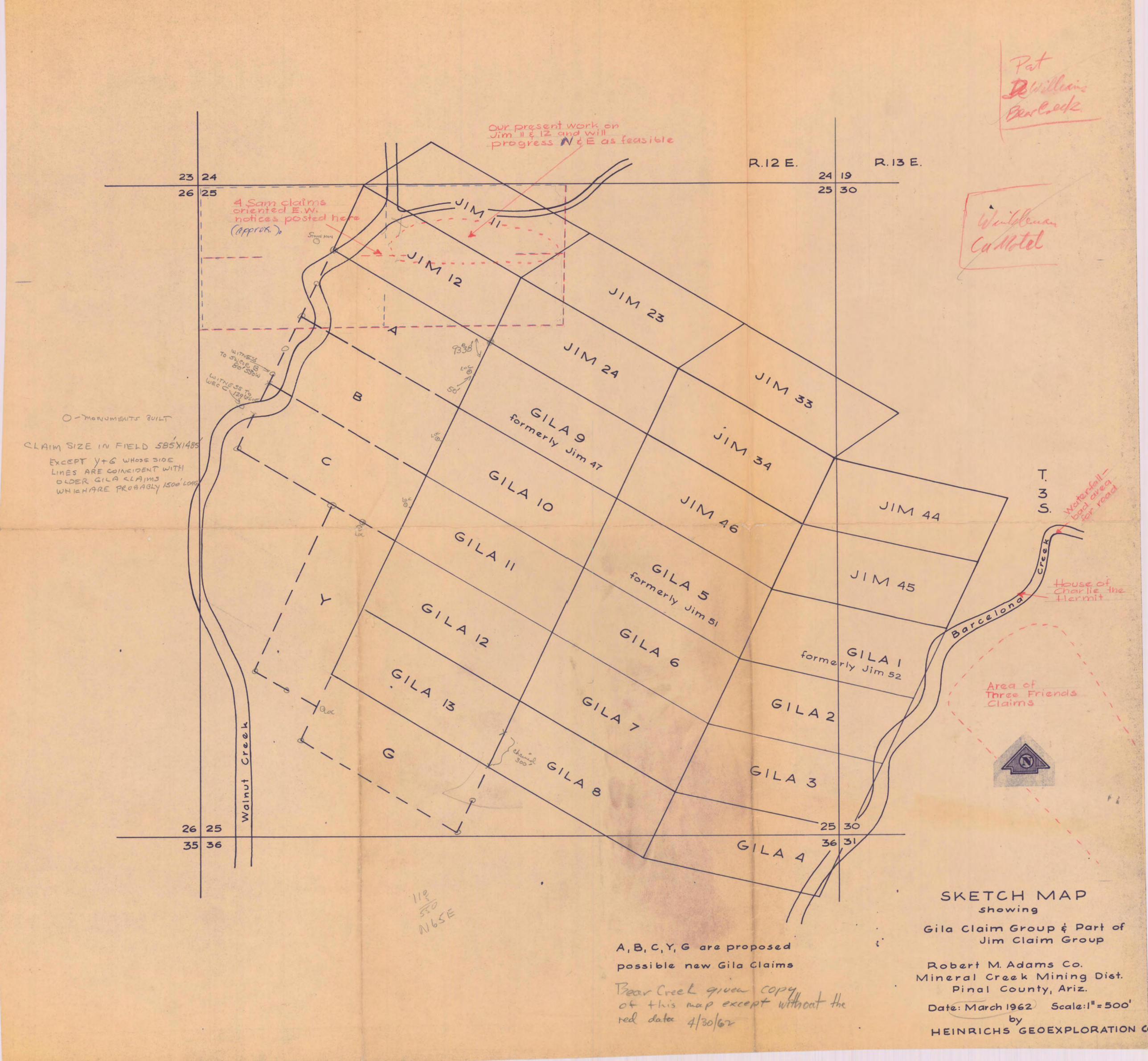
$4600.00 by Isbell Const. & Martha Purcell

for year ending July 1, 1951

Docket 61 P 526

Same for year ending July 1, 1952

MAR 6 - 1958
L 1250



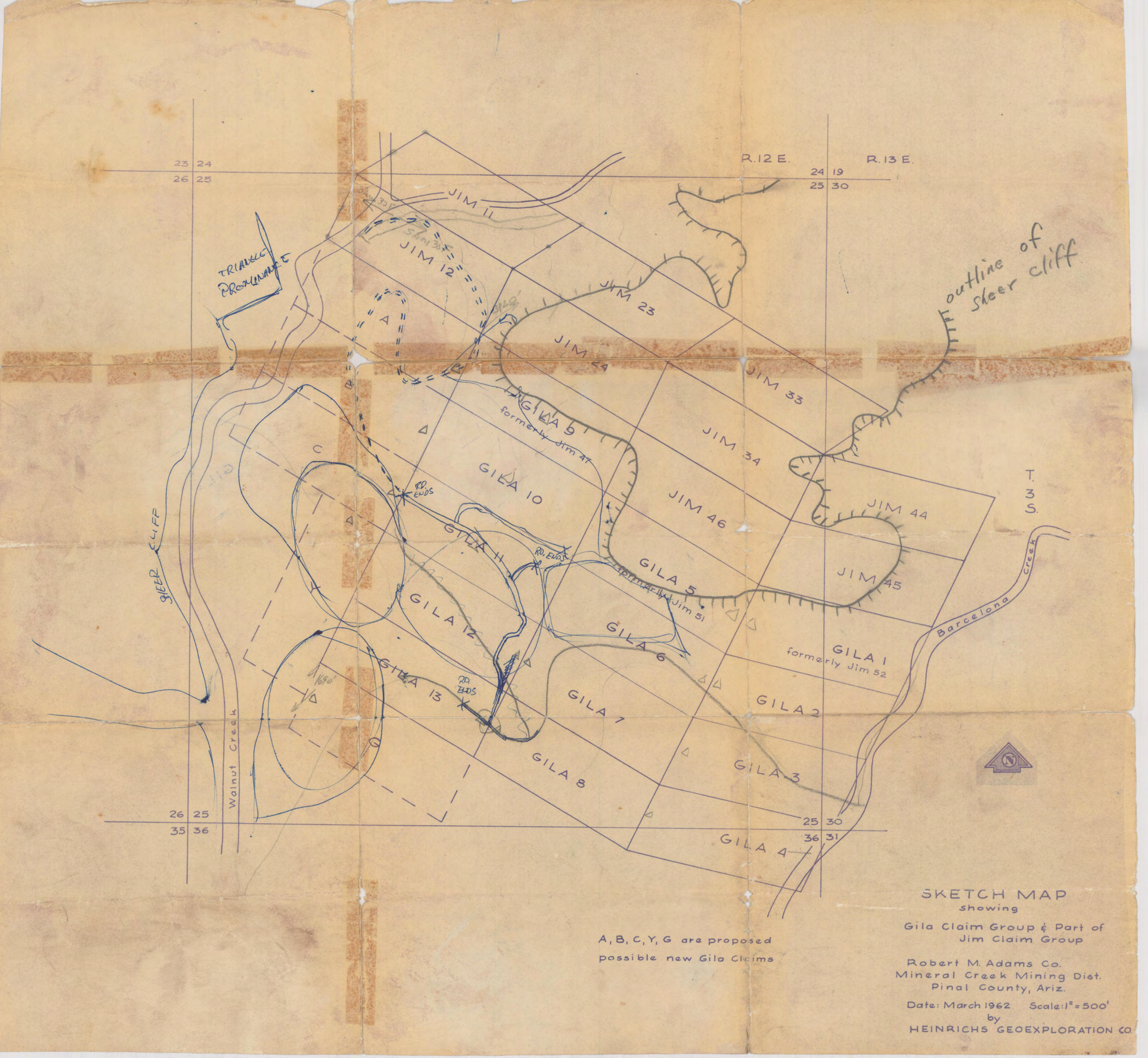
SKETCH MAP
showing
Gila Claim Group & Part of Jim Claim Group

Robert M. Adams Co.
Mineral Creek Mining Dist.
Pinal County, Ariz.

Date: March 1962 Scale: 1" = 500'
by
HEINRICHS GEOEXPLORATION C

A, B, C, Y, G are proposed possible new Gila Claims

Bear Creek given copy of this map except without the red data 4/30/62

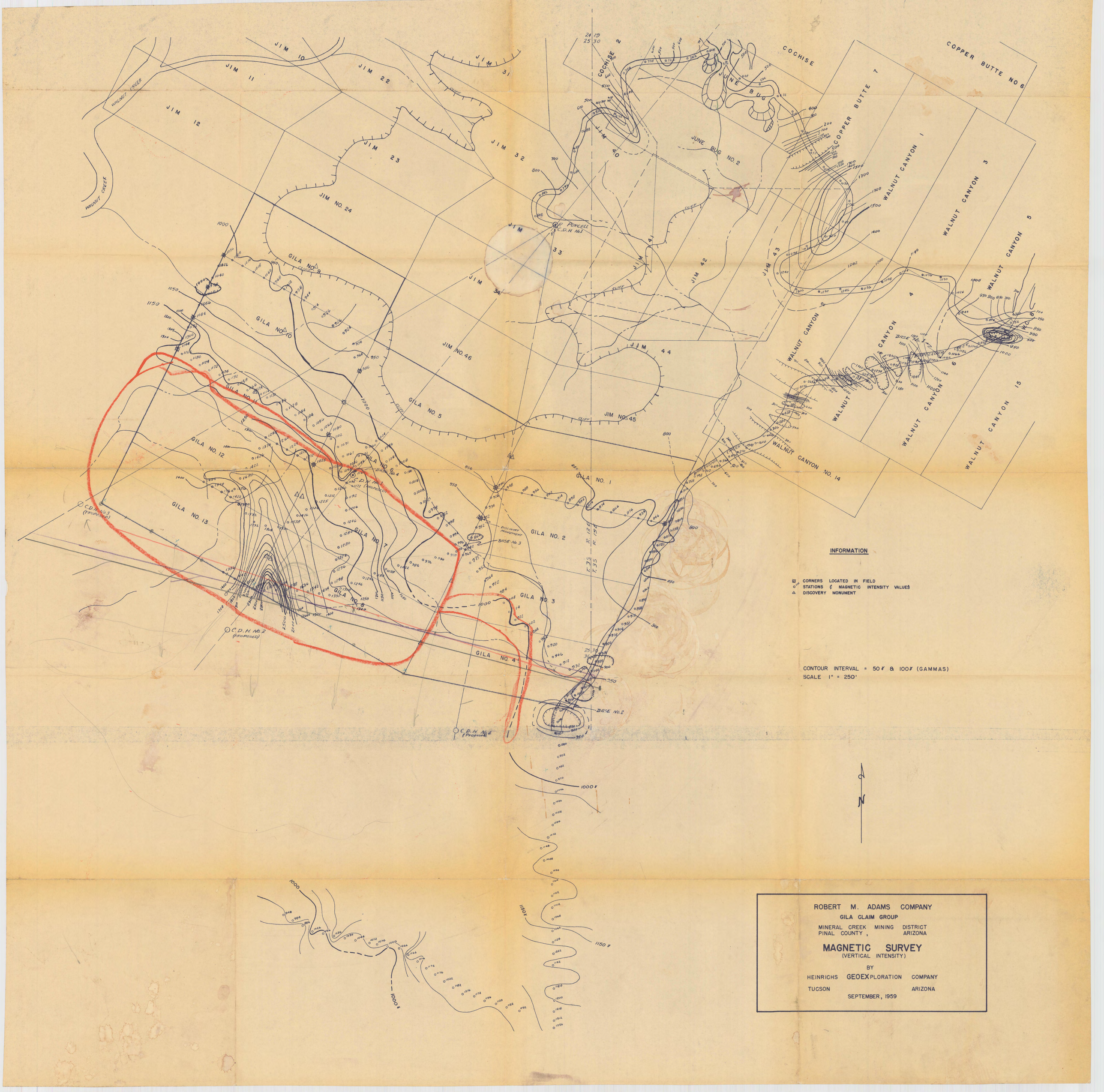


A, B, C, Y, G are proposed possible new Gila Claims

SKETCH MAP
showing
Gila Claim Group & Part of Jim Claim Group

Robert M. Adams Co.
Mineral Creek Mining Dist.
Pinal County, Ariz.

Date: March 1962 Scale: 1" = 500'
by
HEINRICHS GEOEXPLORATION CO.



INFORMATION

- CORNERS LOCATED IN FIELD
- STATIONS & MAGNETIC INTENSITY VALUES
- DISCOVERY MONUMENT

CONTOUR INTERVAL = 50 γ & 100 γ (GAMMAS)
SCALE 1" = 250'

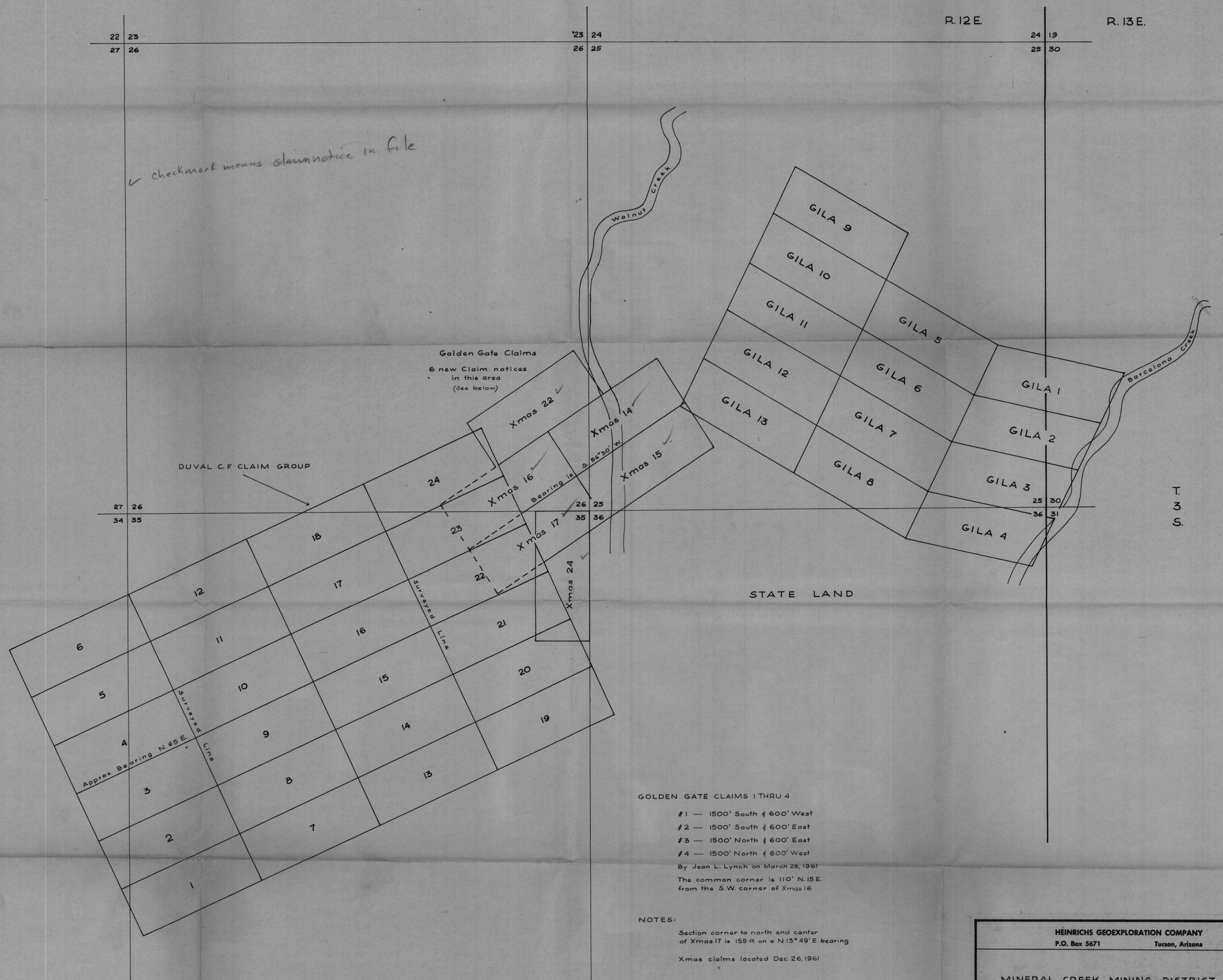
ROBERT M. ADAMS COMPANY
GILA CLAIM GROUP
MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA

MAGNETIC SURVEY
(VERTICAL INTENSITY)

BY

HEINRICHS GEOEXPLORATION COMPANY
TUCSON ARIZONA
SEPTEMBER, 1959

COCHISE
COPPER BUTTE NO 6
COPPER BUTTE 7
JUNE BUG
JUNE BUG NO. 2
WALNUT CANYON 1
WALNUT CANYON 3
WALNUT CANYON 5
WALNUT CANYON 2
WALNUT CANYON 4
WALNUT CANYON 6
WALNUT CANYON 15
WALNUT CANYON NO. 14
JIM 10
JIM 11
JIM 12
JIM 22
JIM 23
JIM 31
JIM 32
JIM 33
JIM 34
JIM 40
JIM 41
JIM 42
JIM 43
JIM 44
JIM 45
JIM NO. 24
JIM NO. 46
JIM NO. 45
GILA NO. 9
GILA NO. 10
GILA NO. 11
GILA NO. 12
GILA NO. 13
GILA NO. 7
GILA NO. 8
GILA NO. 5
GILA NO. 1
GILA NO. 2
GILA NO. 3
GILA NO. 4
WALNUT CREEK
LINE 1
LINE 2
C.D.H. No. 1 (PROPOSED)
C.D.H. No. 2 (PROPOSED)
C.D.H. No. 3 (PROPOSED)
C.D.H. No. 4 (Proposed)
BASE No. 1
BASE No. 2
BASE No. 3
DISCOVERY MONUMENT
INFORMATION
CORNERS LOCATED IN FIELD
STATIONS & MAGNETIC INTENSITY VALUES
DISCOVERY MONUMENT
CONTOUR INTERVAL = 50γ & 100γ (GAMMAS)
SCALE 1" = 250'
N
R12E
T3S
ROBERT M. ADAMS COMPANY
GILA CLAIM GROUP
MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
MAGNETIC SURVEY
(VERTICAL INTENSITY)
BY
HEINRICHS GEOEXPLORATION COMPANY
TUCSON ARIZONA
SEPTEMBER, 1959
S57½W



GOLDEN GATE CLAIMS 1 THRU 4

#1 — 1500' South & 600' West
#2 — 1500' South & 600' East
#3 — 1500' North & 600' East
#4 — 1500' North & 600' West

By Jean L. Lynch on March 28, 1961

The common corner is 110' N. 15 E. from the S.W. corner of Xmas 16

NOTES:

Section corner to north end center of Xmas 17 is 155 ft. on a N 13° 49' E bearing

Xmas claims located Dec. 26, 1961

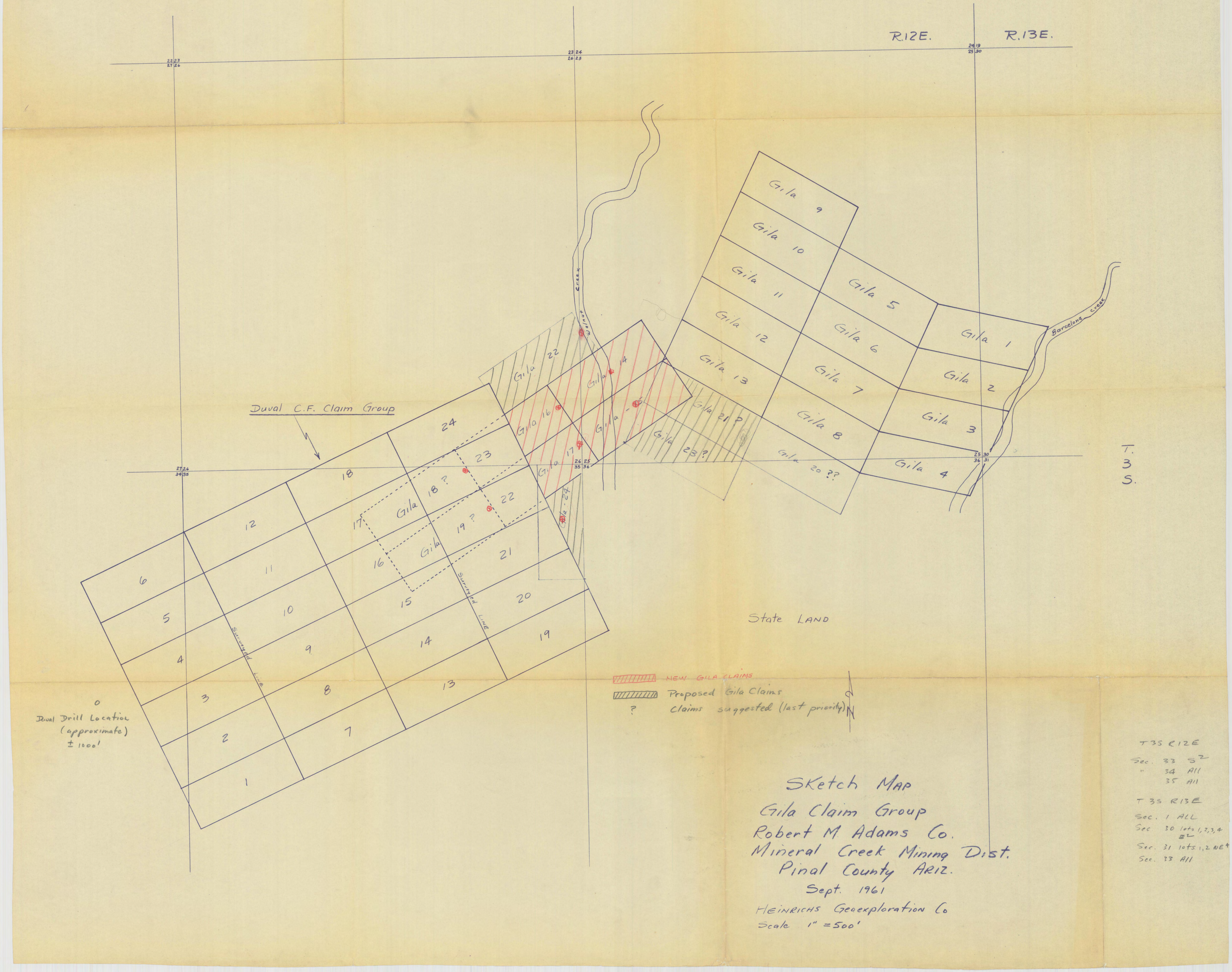
HEINRICHS GEOEXPLORATION COMPANY
P.O. Box 5671 **Tucson, Arizona**

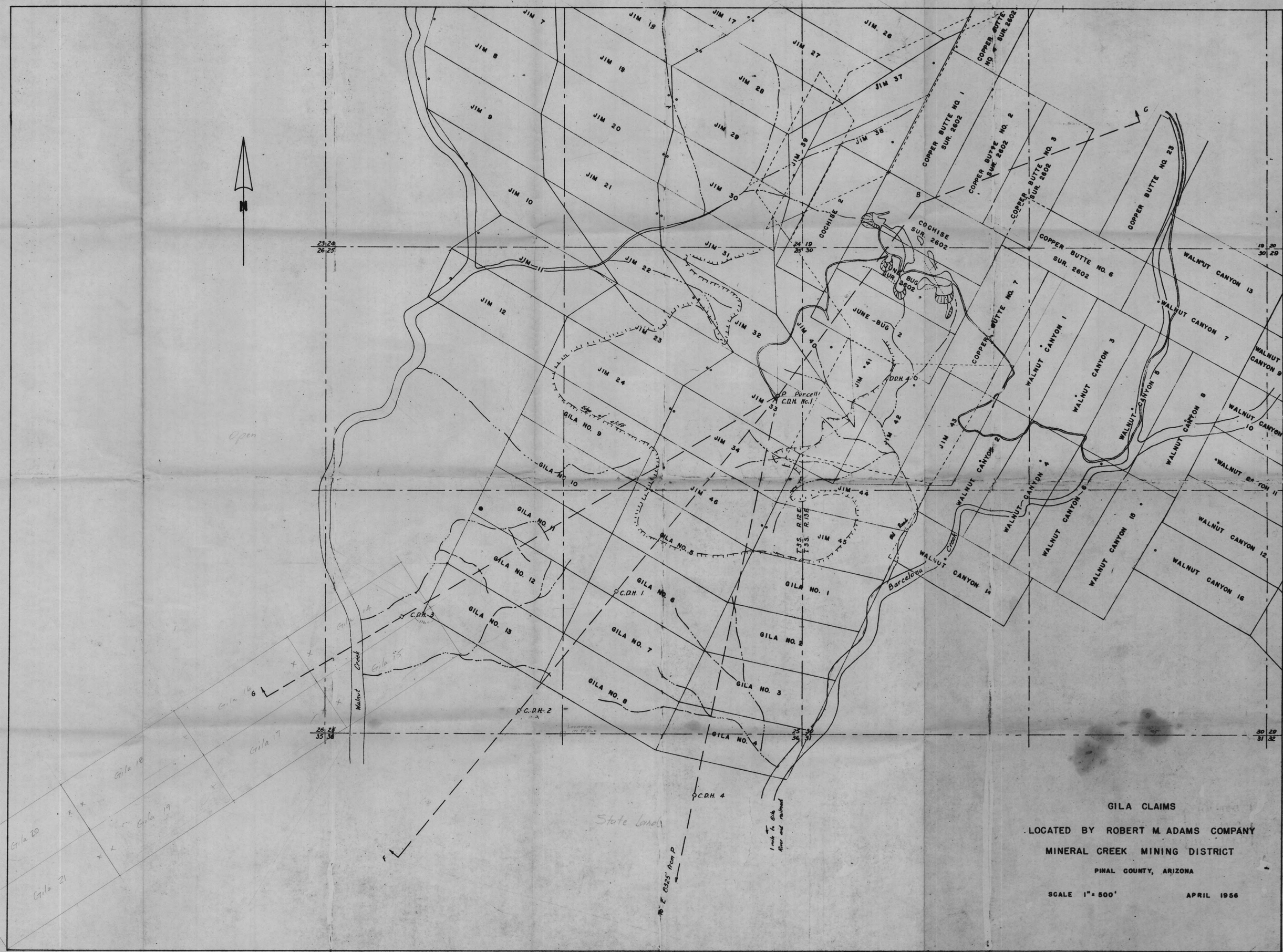
MINERAL CREEK MINING DISTRICT
FOR
ROBERT M. ADAMS CO.

GILA CLAIM GROUP
PINAL COUNTY, ARIZONA

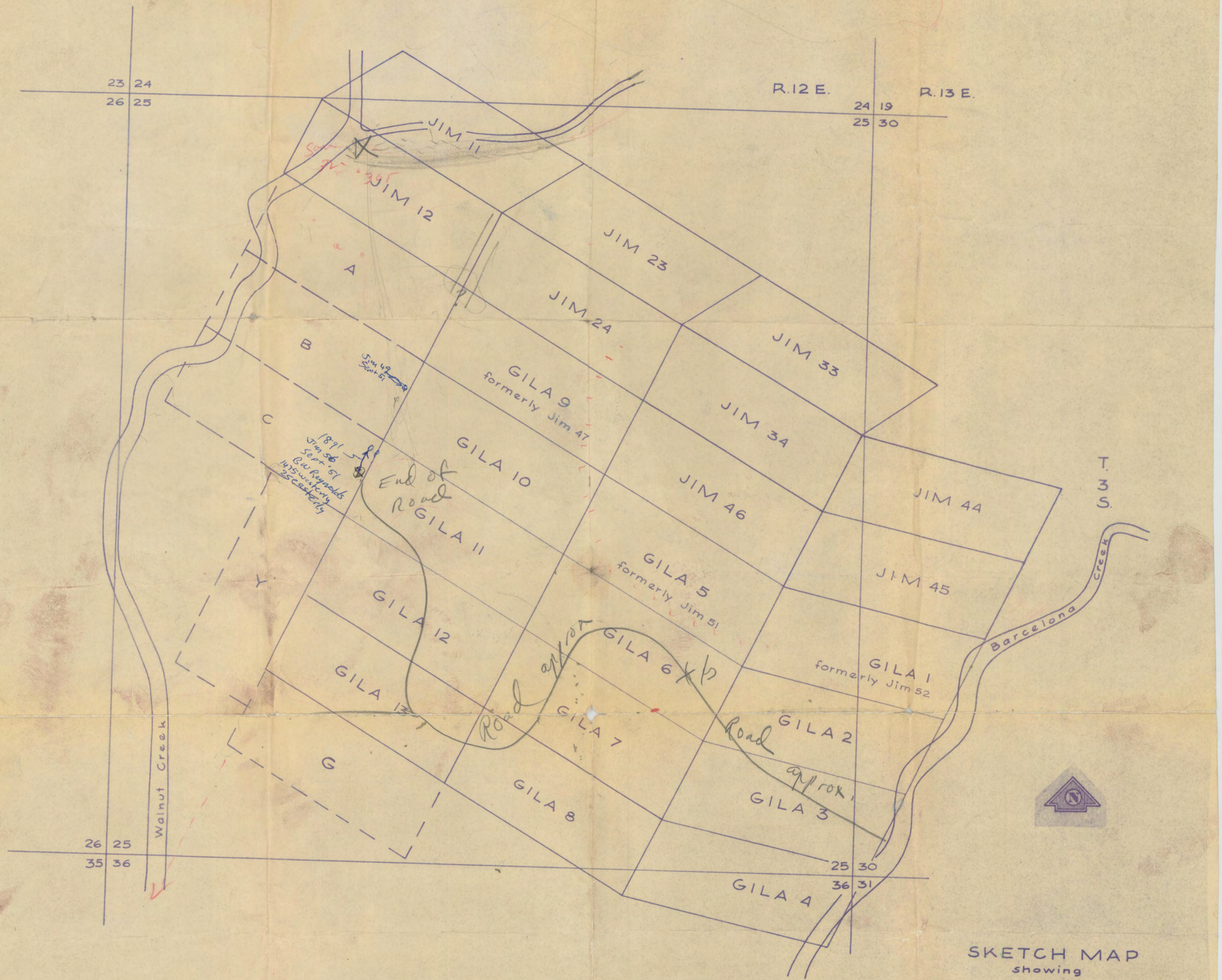
SCALE: 1" = 500'	**CONTOUR INTERVAL:**	**REVISIONS**
	DATA BY: EGH	Dec. 1961
DATE: Sept. 1961	**SHEET** OF	
DRAWN BY: I.B.	**DRAWING NO.:**	**FILE:**

R.12E.
R.13E.
T. 3 S.
Duval C.F. Claim Group
Walnut Creek
Barcelona Creek
Gila 1
Gila 2
Gila 3
Gila 4
Gila 5
Gila 6
Gila 7
Gila 8
Gila 9
Gila 10
Gila 11
Gila 12
Gila 13
Gila 14
Gila 15
Gila 16
Gila 17
Gila 18 ?
Gila 19 ?
Gila 20 ?
Gila 21 ?
Gila 22
Gila 23 ?
Gila 24
Xmas
Not Staked
Surveyed Line
N 65 E
N 35 W
Approx. Bearing N65°E
6 new claim notices in this Area
to be the location posts are for the 6 new claims can be found on the notices
Bearing is S 56°30' West
775'
705
sec. cor to No. End cent of Gila 17 is 155 ft on a N 13°49' E bearing
Golden Gate claims 1 thru 4
1 - 1500' So. & 600 west
2 - 1500' So. & 600 East
3 - 1500 No. & 600 East
4 - 1500 No. & 600 west
by Jean L. Lynch on 28 March 1961
The common corner is 110' N15E from the S.W. cor. of Gila 16
State LAND
N
Notes
Xmas claims relocated Dec. 26, 1961
Compass - Pace?
Sketch Map
Gila Claim Group
Robert M Adams Co.
Mineral Creek Mining Dist.
Pinal County Ariz.
Sept. 1961
Heinrichs Geoexploration Co
Scale 1" = 500'
FED
Generalized?
IRENE
Copy


R.12E.
R.13E.
T. 3 S.
Duval C.F. Claim Group
Gila 9
Gila 10
Gila 11
Gila 12
Gila 13
Gila 5
Gila 6
Gila 7
Gila 8
Gila 1
Gila 2
Gila 3
Gila 4
Gila 22
Gila 14
Gila 16
Gila 17
Gila 21 ?
Gila 23 ?
Gila 20 ??
Gila 18 ?
Gila 19 ?
Gila 24
Barcelona Creek
Surveyed Line
State LAND
NEW GILA CLAIMS
Proposed Gila Claims
? Claims suggested (last priority)
Duval Drill Location (approximate) ± 1000'
Sketch Map
Gila Claim Group
Robert M Adams Co.
Mineral Creek Mining Dist.
Pinal County ARIZ.
Sept. 1961
HEINRICHS Geoexploration Co
Scale 1" = 500'
T3S R12E
Sec. 33 S2
" 34 All
35 All
T3S R13E
Sec. 1 ALL
Sec 30 lots 1,2,3,4 E2
Sec. 31 lots 1,2 NE4
Sec. 33 All


GILA CLAIMS
LOCATED BY ROBERT M. ADAMS COMPANY
MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA
SCALE 1" = 500'
APRIL 1956
N
JIM 7
JIM 8
JIM 9
JIM 10
JIM 11
JIM 12
JIM 17
JIM 18
JIM 19
JIM 20
JIM 21
JIM 22
JIM 23
JIM 24
JIM 26
JIM 27
JIM 28
JIM 29
JIM 30
JIM 31
JIM 32
JIM 33
JIM 34
JIM 37
JIM 38
JIM 39
JIM 40
JIM 41
JIM 42
JIM 43
JIM 44
JIM 45
JIM 46
COPPER BUTTE NO. 1 SUR. 2602
COPPER BUTTE NO. 2 SUR. 2602
COPPER BUTTE NO. 3 SUR. 2602
COPPER BUTTE NO. 4 SUR. 2602
COPPER BUTTE NO. 6 SUR. 2602
COPPER BUTTE NO. 7
COPPER BUTTE NO. 23
COCHISE 2
COCHISE SUR. 2602
JUNE BUG SUR. 2602
JUNE BUG 2
WALNUT CANYON 1
WALNUT CANYON 2
WALNUT CANYON 3
WALNUT CANYON 4
WALNUT CANYON 5
WALNUT CANYON 6
WALNUT CANYON 7
WALNUT CANYON 8
WALNUT CANYON 9
WALNUT CANYON 10
WALNUT CANYON 11
WALNUT CANYON 12
WALNUT CANYON 13
WALNUT CANYON 14
WALNUT CANYON 15
WALNUT CANYON 16
GILA NO. 1
GILA NO. 2
GILA NO. 3
GILA NO. 4
GILA NO. 5
GILA NO. 6
GILA NO. 7
GILA NO. 8
GILA NO. 9
GILA NO. 10
GILA NO. 11
GILA NO. 12
GILA NO. 13
C.D.H. 1
C.D.H. 2
C.D.H. 3
C.D.H. 4
P. Purcell C.D.H. No. 1
Barcelona Creek
Walnut Creek
Open
State Land
Gila 14
Gila 15
Gila 16
Gila 17
Gila 18
Gila 19
Gila 20
Gila 21
T.3S. R.12E.
T.3S. R.13E.
1 mile to Gila River and railroad
To E 8325' from P

Sketch Map
Gila Claim Group
Robert M Adams Co.
Mineral Creek Mining Dist.
Pinal County Ariz.
Sept. 1961
Heinrichs Geoexploration Co
Scale 1" = 500'



A, B, C, Y, G are proposed possible new Gila Claims

SKETCH MAP
showing
Gila Claim Group & Part of Jim Claim Group

Robert M. Adams Co.
Mineral Creek Mining Dist.
Pinal County, Ariz.

Date: March 1962 Scale: 1" = 500'
by
HEINRICHS GEOEXPLORATION CO.

INFORMATION

CORNERS LOCATED IN FIELD
STATIONS & MAGNETIC INTENSITY VALUES
DISCOVERY MONUMENT

CONTOUR INTERVAL = 50 γ, 100, 500 γ
SCALE 1" = 250'

ROBERT M. ADAMS COMPANY
GILA CLAIM GROUP
MINERAL CREEK MINING DISTRICT
PINAL COUNTY, ARIZONA

MAGNETIC SURVEY
(VERTICAL INTENSITY)

BY
HEINRICHS GEOEXPLORATION COMPANY
TUCSON ARIZONA
SEPTEMBER, 1959
REVISED AUGUST, 1960

GEOPHYSICAL INVESTIGATIONS

GILA CLAIM GROUP

Mineral Creek Mining District
Pinal County, Arizona

1959-1960 Assessment Work

for

Robert M. Adams Company
Duluth, Minnesota

COPY

by

HEINRICHS GEOEXPLORATION COMPANY
P. O. Box 5671 Tucson, Arizona

Geophysical Investigations

Gila Claim Group

Mineral Creek Mining District
Pinal County, Arizona

1959-1960 Assessment Work

INTRODUCTION

Authorized by Mr. Robert M. Adams of Duluth,Minnesota by telephone and letter of 22 August 1960, Heinrichs Geoexploration Company of Tucson, Arizona performed certain geophysical investigations on the Gila Claim group of thirteen unpatented mining claims lying mostly in Section 25, T 3 S, R 12 E, Gila and Salt River Base Meridian, but overlapping into Section 35, T 3 S, R 12 E and Sections 30 & 31,T 3 S, R13E. This area is in the Mineral Creek Mining District of Pinal County, Arizona. The work consisted of vertical intensity hand magnetometer profiles to expand results and close off the anomaly obtained the preceeding year, and one induced polarization profile across the magnetic anomaly strike.

CONCLUSIONS

Magnetic Survey: Basically the picture is not greatly altered, just better defined and suggesting a somewhat shallower anomalous source than previously indicated from 750' - 1000' deep to more like 200' deep to the top of its suboutcrop. The highest reading is 3262 gammas, lowest is -156 gammas so over all change is 3418 gammas.

We noticed a sharp lowering in readings in one place when leaving dacite and going into granite on Gila #8 but this was not true in other places. The very low readings at the SW Cor. of Gila #13 and South of the SE Cor. of Gila #13 were unexpected.

The topography is rough to the south and west of the anomaly and further production and control of correct location will be slow because of difficult climbing and footing. No more was done this year because we wanted to get at least a minimum of Induced Polarization results.

Interpretation: Probably an easterly dipping basic sill or possibly a magnetic contact zone, lies in or under the dacite at 200' ± depth and has limited width and strikes southeast-northwest, similar to the black rock that appears sill-like in the dacite in Barcelona Wash on Walnut Canyon #2 and #4 claims and may even be a faulted off portion of that same material. Since on the Walnut Canyon claims it is striking close to the June Bug area of mineralization, relatively similar significance may be justified in interpretating the anomaly on the Gila claims.

This year we noted considerably more iron (hematite-specularite) float on the Gila claims, but were not able to directly trace its origin or exact correlating significance to any potential mineralization at depth on the Gila group.

Induced Polarization Survey: The results obtained are not definitely conclusive of either the presence or absence of a disseminated sulfide mineral deposit.

The values obtained are definitely of an order of magnitude as to be considered possibly anomalous. However, a more definite qualitative evaluation or interpretation is not possible without having further normal background data considerably outside the area where values were obtained.

RECOMMENDATIONS

It does not appear that further magnetic work is warranted until or unless information from other sources justifies it.

Any recommendation for further induced polarization studies must rely first on a geologic reasonability of disseminated sulfides at the indicated possible depth, secondly on the fact that there is a strong magnetic anomaly in the area and thirdly that the I. P. values obtained in this reconnaissance survey may be somewhat anomalous.

The induced polarization method is the best geophysical technique known today for the direct exploration of relatively deeper seated disseminated sulfide deposits.

Down faulted geological indications, noted by Eldred Wilson and others, suggests that any potential zone of interest beneath the exposed volcanic and alluvial cover in this area maybe 1000 feet or deeper.

The somewhat anomalous results obtained do indicate that, if other geologic factors were favorable, a more extensive and/or detailed induced polarization survey would be warranted. However, it is strongly recommended that considerable thought be given to the planning of such a survey; in particular a thorough correlation study of the topography, geology and adjacent drilling information all projected into the area and such matters as arranging for transportation of equipment by burro, or bull-dozer work to make the area more accessible to vehicles, a more favorable time of year when there is less atmospheric electrical activity and personnel can operate more efficiently.

OBJECTIVES

In order to fulfill the assessment obligations and gain the most pertinent information possible for the amount of money to be spent it was deemed best to first get enough additional magnetic information to feel confident that the anomaly was well pinned down and then try one induced polarization profile across the magnetic anomaly to determine the potential value of this type of survey in evaluating the anomaly and to determine, if possible, its relationship to any existing deep seated sulfide body.

PROCEDURE

On August 29, 30 and 31, 1960 a two man team obtained the hand magnetometer readings and incidently verified the condition of the road to the area (barely passable), the activities of the

gold prospectors met the previous year, (they are still there and working), the status of Fred Mitchell's workings on the June Bug (inactive and apparently nothing done since last year), and any other signs of activity in the area. In respect to the latter, no signs of activity or new claims were noted near the Gila group. Possibly the new claims you heard mention of referred to the activity of the gold prospectors. However, there is active work going on to the northeast of the June Bug area on the east side of that mountain. A pick-up truck was seen traveling into that area and what appeared to be a bulldozer could be seen on the hillside. This is a couple of miles northeast of the Gila group.

On August 31, 1960, three additional men were sent to the area with the induced polarization equipment. Ordinarily four men conduct this type of survey but the extra man was needed here because of the amount of material to be transported over rough terrain inaccessable to any vehicle. On September 1, the wires were laid out and electrode pits dug and electrodes emplaced. Readings were taken on September 2 and part of the equipment and wires gathered in. September 3, all was completed and the men returned to Tucson. The induced polarization survey consisted of one profile line approximately 5250 ft. long N 78° W from a point about 750 feet easterly of the east end center of Gila #4 to a point about 1750 feet westerly of the SW corner of Gila #8.

The induced polarization profile line was laid out by use of Brunton compass and a measured length of wire using a topographic and claim location map for base control. Six current electrodes were set on 750 ft. centers. A dipole-dipole electrode configuration was used.

The possibility of 1000 ft. minimum depth of a potential mineralized zone required us to use relatively larger dipole separations in order to gain sufficient penetration and only hopeful indicative response from this order of magnitude depth. However, the larger separations are somewhat slower and are affected more by extraneous noise interference. Thus, we were forced to compromise with a 750 ft. dipole separation in order to obtain the maximum resulting coverage, detail, depth resolution, accuracy and reliability consistent with the problem, objectives and overall time allotted.

The order of magnitude of the metallic conduction factors (below the line on data plot), and percent frequency effects (super scripts on D.C. apparent resistivity (rho D.C.) values on upper portion of data plot and circled) indicates that there is some evidence that an I.P. anomaly may exist. It was not possible in the limited time allowed to determine the validity of the anomaly observed or its extent. The survey was complicated by exceedingly rugged and barely accessible terrain, intemperate weather, high A.C. noise and static "bursts" from thunder shower

activity, and a strong magnetic storm due to solar flare activity.

Attached hereto is an index map showing the location of previous magnetometer work, present magnetometer work and the induced polarization profile. Also attached is a sheet showing the plot of the I.P. readings. On this I.P. plot sheet, the position of data horizontally is somewhat consistent with the true horizontal scale indicated by the profile line and station numbers. However, this has only a relative bearing on the vertical scale which depends also on results and interpretation of the results. For convenience and simultaneous interpretation the rho D.C. and percent frequency falues are plotted upside down as to relative position above the metallic conduction factor, but their actual or true position in space is identical with the related metallic conduction factor values plotted below the profile line. Tentatively as to vertical scale, the deepest point should not be considered deeper than 500' - 750' deep, at least until much additional work is done. The revised magnetometer map is in the envelope.

COPY

Registered Professional Engineer (Mining)
CERTIFICATE EXPIRES
WALTER E.
HEINRICHS, JR.
DEC. 31, 1960
ARIZONA, U. S. A.

Respectfully submitted,

HEINRICHS GEOEXPLORATION CO.

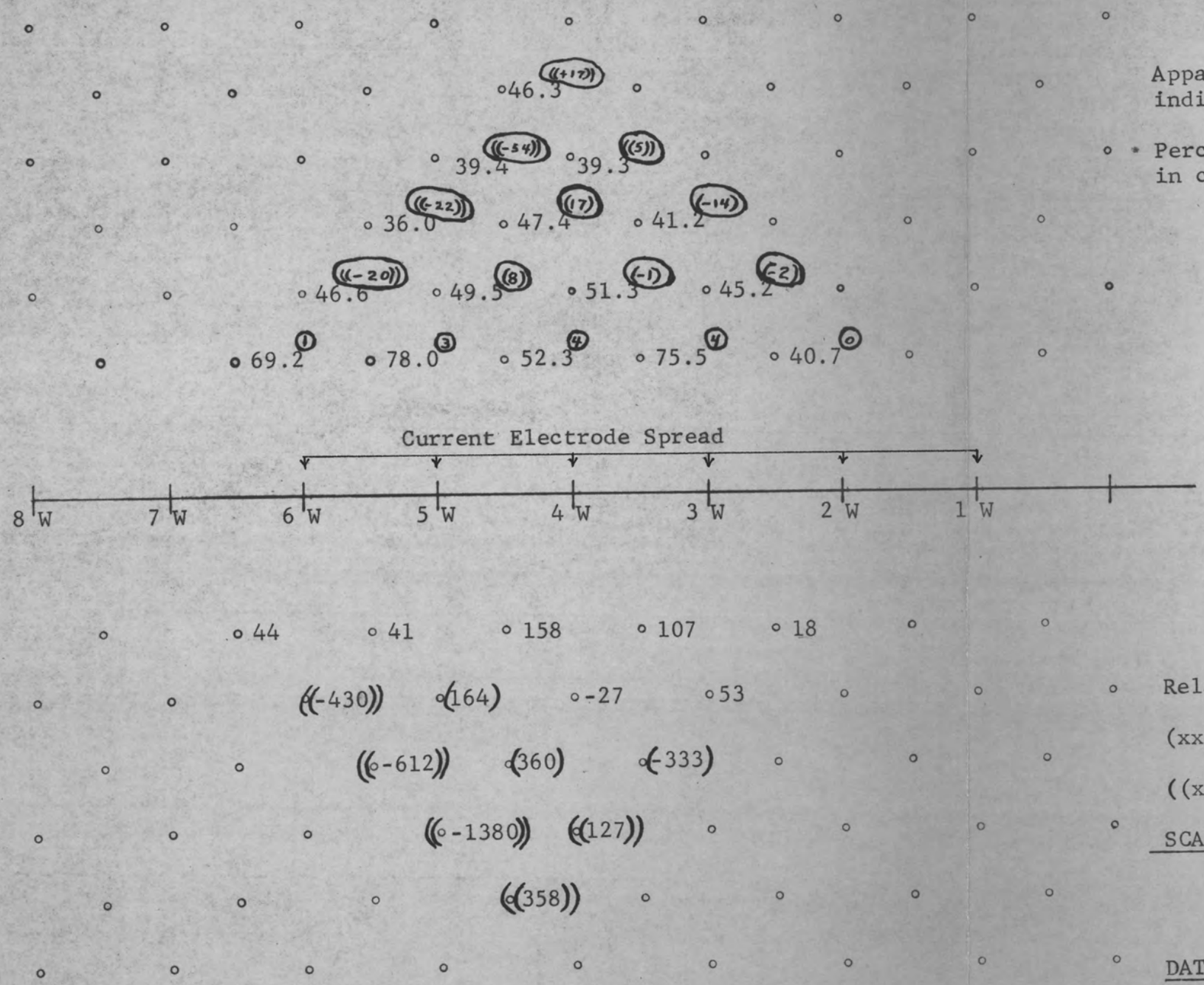
September 24, 1960

Walter E. Heinrichs, Jr.
President & General Manager

cc: V. H. Verity

HEINRICHS GEOEXPLORATION COMPANY

Induced Polarization Data Sheet



Apparent resistivity in ohm-feet/2 π indicated in bold type. (ρ D.C.)

• Percent frequency effects indicated in circled values.

Data above and below this line is to be interpreted separately as they are separate entities--above is resistivity, below is metal factor.

Relative "Metallic Conduction" factors.

(xx) indicates noise corrected data.

((xx)) indicates questionable data.

SCALE Horizontal or ground scale is 1"=750'
Vertical scale is purely relative and is a logrithmic function.

DATE August 31-September 3, 1960

ROBERT M. ADAMS COMPANY
GILA CLAIM GROUP
Mineral Creek Mining District
Ray, Arizona

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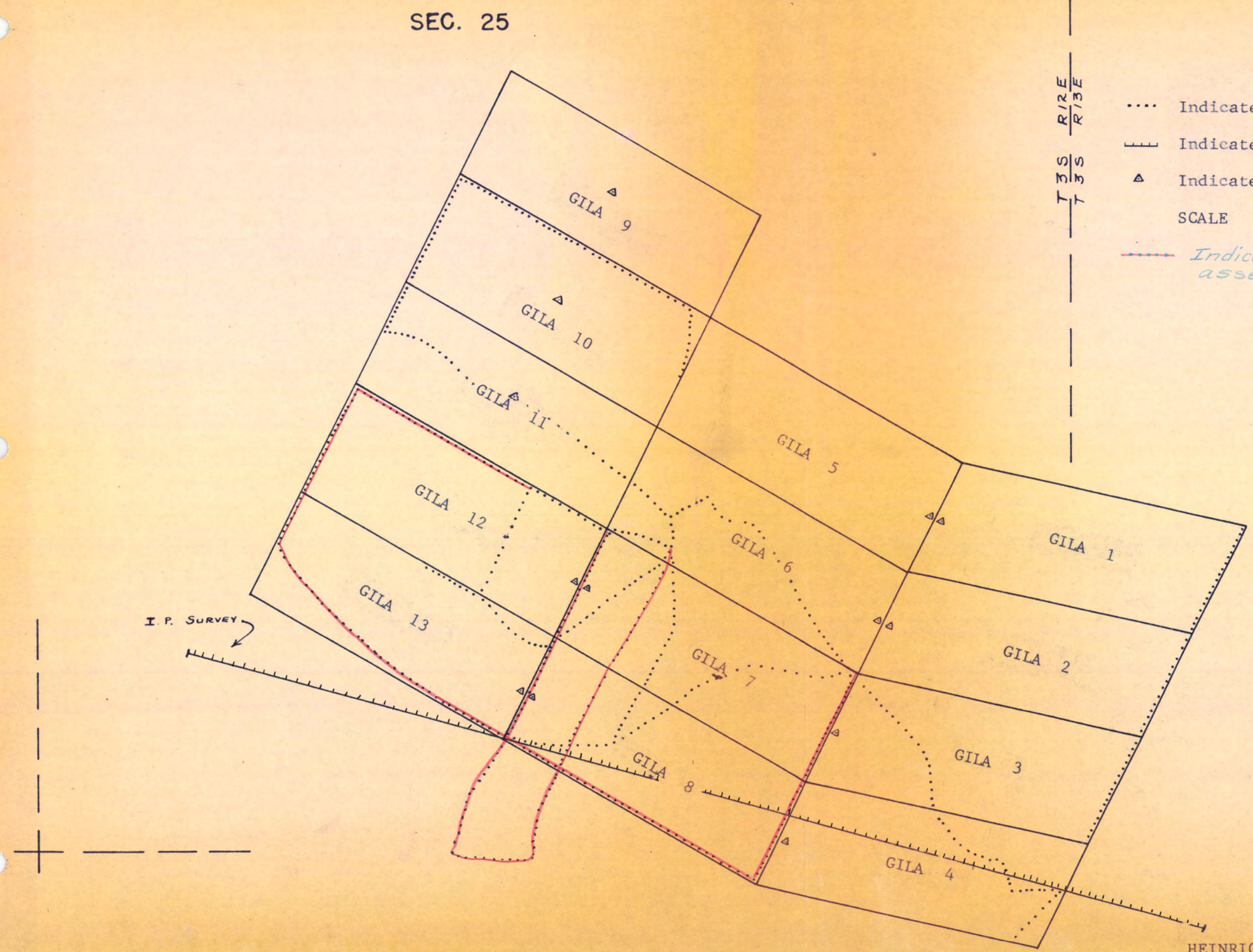
LOCATION MAP



INFORMATION

.... Indicates traverse route of Magnetics

Indicates location I.P. Survey

△ Indicates Location Monument

SCALE 1" = 500'

Indicates magnetic data for assessment year 1959-1960.

AUGUST 1960

GILA CLAIM GROUP

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