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Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

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PRINTED: 07/05/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

4 of 5

PRIMARY NAME: GIBSON MINE

ALTERNATE NAMES:
- BELLEVUE-OLD SITE
- KUNO PROPERTY
- CLAIMS MS 2219
- SUMMIT PROPERTY
- REYNOLDS GROUP
- PASQUALE GROUP

GILA COUNTY MILS NUMBER: 87B

LOCATION: TOWNSHIP 1 S RANGE 14 E SECTION 21 QUARTER W2
LATITUDE: N 33DEG 19MIN 40SEC LONGITUDE: W 110DEG 56MIN 45SEC
TOPO MAP NAME: PINAL RANCH - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
- COPPER SULFIDE
- COPPER OXIDE
- SILVER
- GOLD
- BERYLLIUM

BIBLIOGRAPHY:

- ADMMR GIBSON MINE FILE
- ADMMR TUCSON-GLOBE GROUP FILE (VARIOUS RPTS)
- RANSOME F L GEO GLOBE CU DIST USGS PP 12 1903 P 162
- AZ MNG JRL NOV 1919 P 46, ABM BULL 180 P 105
- PETERSON N P GEOL PINAL RANCH QUAD USGS 1141-H 1963 P H11-H13
- STEVENS S J CU HANDBOOK VOL 10 1911 P1618-162

INDUCED POLARIZATION AND

RESISTIVITY SURVEY

GIBSON MINE PROPERTY

GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

PROJECT 0043

mining
geophysical surveys

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INDUCED POLARIZATION AND
RESISTIVITY SURVEY
GIBSON MINE PROPERTY
GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

INTRODUCTION:

During October 8 through October 16, 1970, an induced polarization and resistivity survey was performed on the titled property. The field work was under the direction of James B. Parker, technician for Mining Geophysical Surveys.

Previous IP and resistivity surveys in the area of the Gibson Mine have indicated weak to moderate response both near surface and extending to depth. At the suggestion of C. L. Elliot, consulting geophysicist, detailed studies in a NW-SE'ly direction in the immediate area of the Gibson Mine were run to further describe the subtle features indicated by the previous work.

A weak to moderate response is observed in the NW half of three lines surveyed. This response increases slightly with depth in a gradational manner. The cause of this deep response is not apparent. We have noted moderate response associated with zones of specular hematite in the Pinal schist. The hematite occurrences are limited to fracture zones and not as widespread

at surface as this broad feature at depth suggests.

A near-surface response of 30 ms apparent occurs as a local feature on Line KY3 in the vicinity of electrodes C_2 and C_3. Hematite is particularly noticeable along a fracture (?) zone that forms a drainage to Mineral Creek from south of the Gibson Mine. The local response feature on Line 3 occurs at the head of this drainage and suggests a relationship between the hematite-stained zone and the IP response.

We are instructed that a detailed interpretation and recommendations pertaining to this survey are to be submitted by C. L. Elliot.

SURVEY PROCEDURE:

The induced polarization and resistivity measurements are made in the time-domain mode of operation. A conventional system of measurements which uses a time cycle of 2.0 seconds "on" and 2.0 seconds "off" - 2.0 seconds "on" and 2.0 seconds "off" (current reversed) was employed.

The commencement of the measurement of the secondary voltage is delayed by 0.45 seconds to avoid coupling and other transient effects. The integration is performed during the period from 0.45 seconds to 1.10 seconds after the cessation of current.

To conform to a standard presentation, the integral time constant is adjusted to give induced polarization readings equivalent to those obtained with transmitter cycles of 3.0 seconds "on" and 3.0 seconds "off", with integration of the secondary voltage during the first second of the "off" period.

Throughout the survey a conventional inline dipole-dipole array of seven electrodes was used with dipole lengths (a) of 1000'. Measurements were made for dipole separation factors (n) of 1 to 6. The potential dipoles occupy positions on both sides of the current-electrode spread, thereby obtaining a total line coverage of approximately nine times the dipole length for a standard line of seven electrodes.

Apparent polarization response is in units of millivolt-seconds per volt, or milliseconds (ms), and apparent resistivity is in units of ohmmeters. The data from each line is plotted in quasi-section to facilitate presentation of data at all spacings used.

Respectfully submitted,

J B Parker/psw

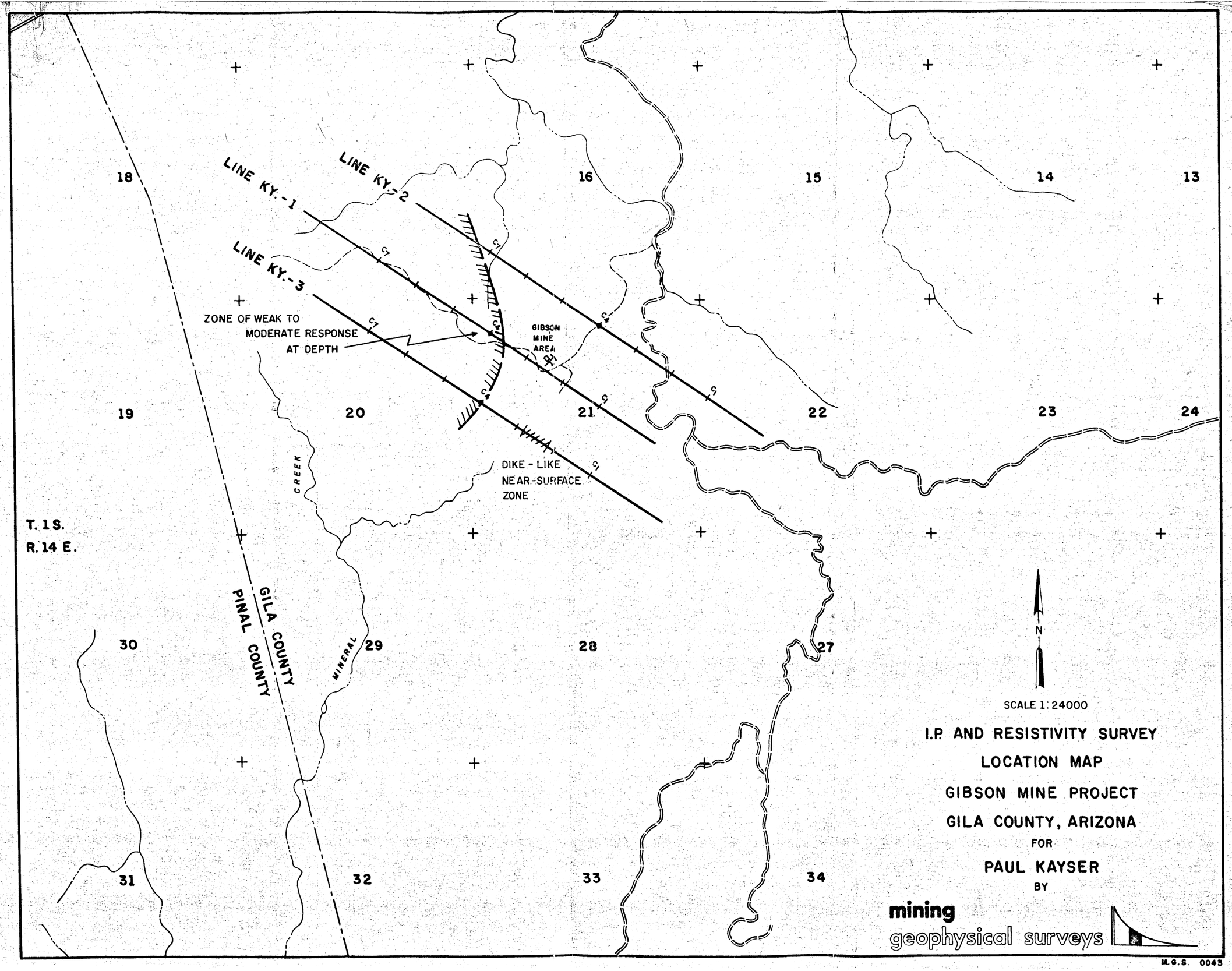
James B. Parker
Technician

W Gordon Wieduwilt

W. Gordon Wieduwilt
Geophysicist

Tucson, Arizona

November 3, 1970


LINE KY.-1
LINE KY.-2
LINE KY.-3
ZONE OF WEAK TO
MODERATE RESPONSE
AT DEPTH
GIBSON
MINE
AREA
DIKE - LIKE
NEAR-SURFACE
ZONE
CREEK
MINERAL
GILA COUNTY
PINAL COUNTY
T. 1 S.
R. 14 E.
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34
N
SCALE 1:24000
I.P. AND RESISTIVITY SURVEY
LOCATION MAP
GIBSON MINE PROJECT
GILA COUNTY, ARIZONA
FOR
PAUL KAYSER
BY
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geophysical surveys

M.G.S. 0043

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

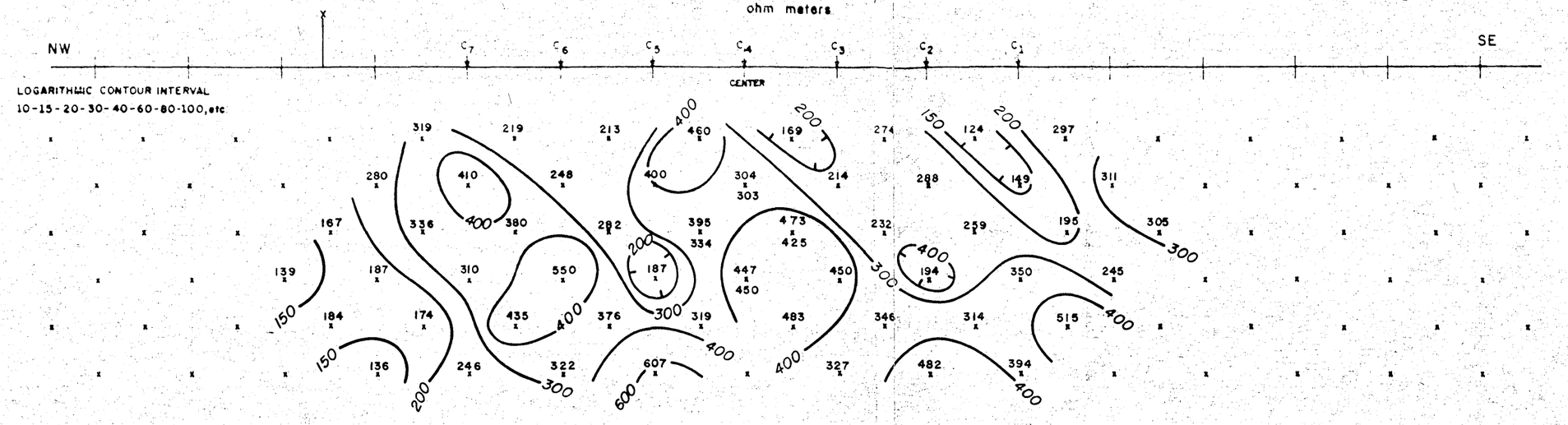
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

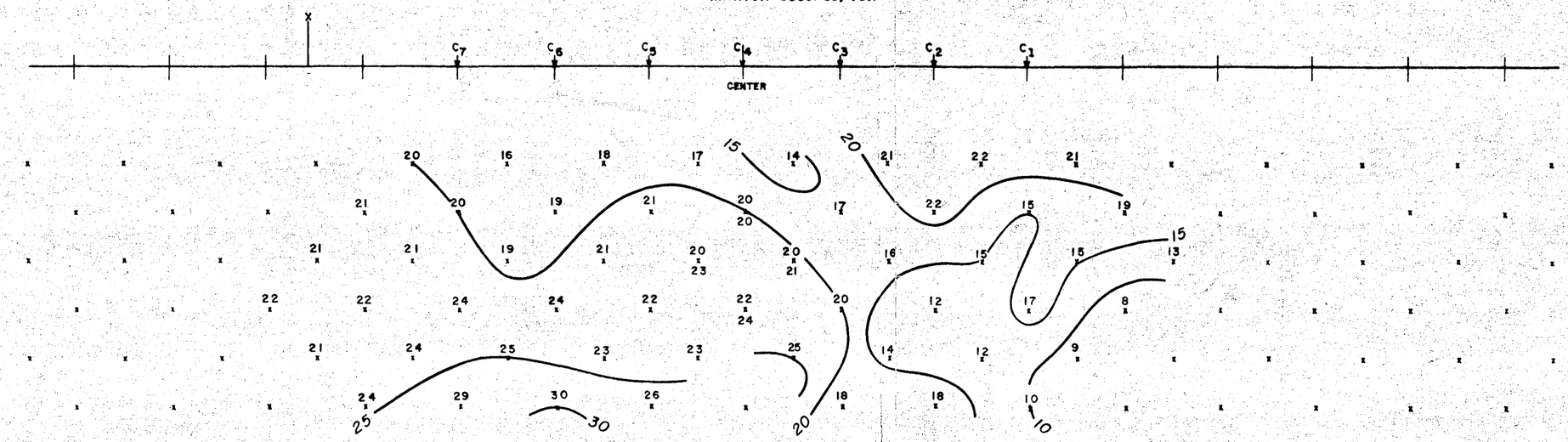
APPARENT RESISTIVITY

ohm meters

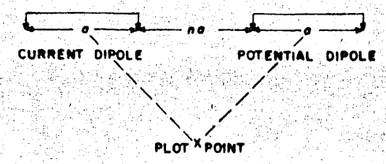


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: KY. 1

LOOKING: NE

DIPOLE LENGTH: 1000'

DATE: OCT., 9/1970

LEGEND

FENCE

PIPELINE

POWERLINE

ROAD, RR.

mining geophysical surveys

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TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

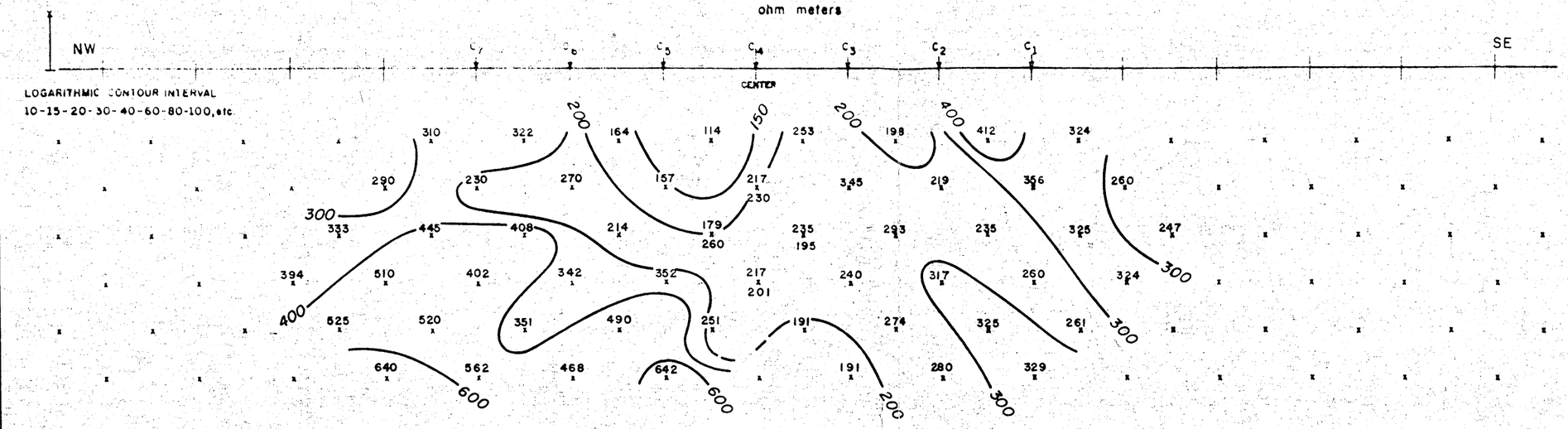
GIBSON MINE PROJECT - GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

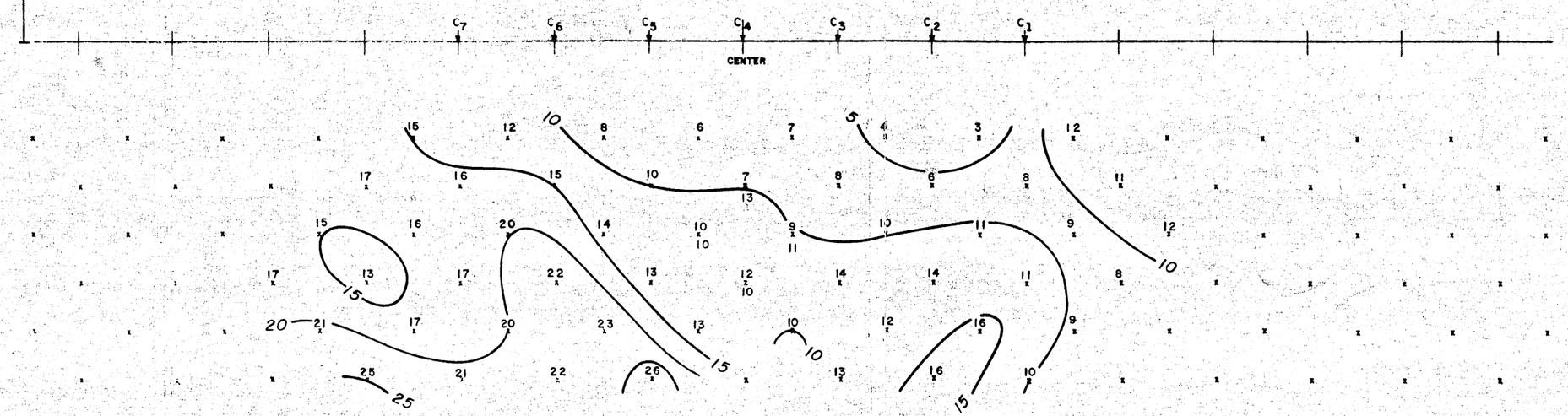
APPARENT RESISTIVITY

ohm meters

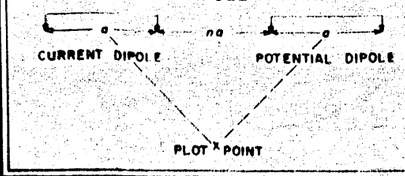


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . KY. 2

LOOKING: . . . NE

DIPOLE LENGTH: . . . 1000'

DATE: OCT., 13/1970

LEGEND

FENCE . . . . . .

PIPELINE . . . . . .

POWERLINE . . . . .

ROAD, RR.

mining geophysical surveys

0043

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

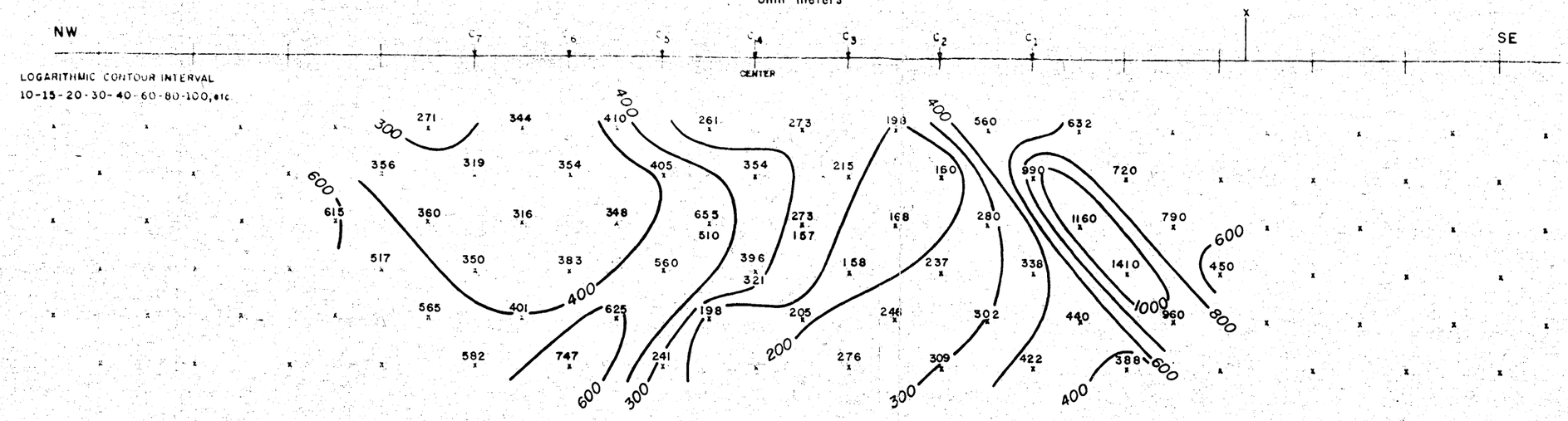
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

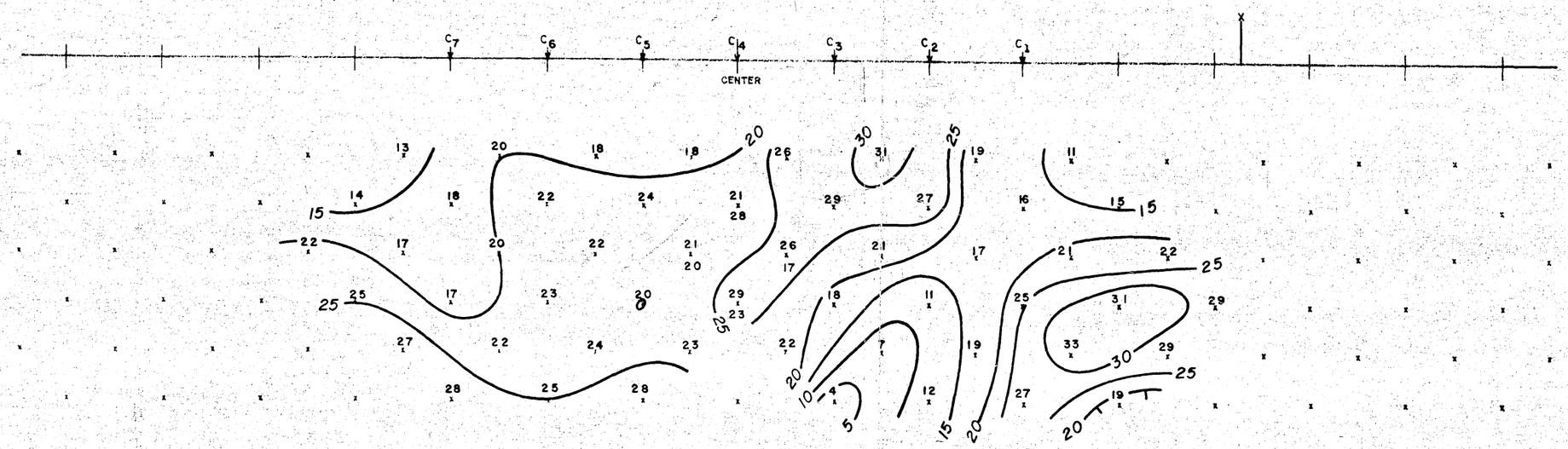
APPARENT RESISTIVITY

ohm meters

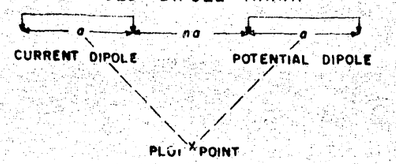


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . . KY. 3

LOOKING: . . . . NE

DIPOLE LENGTH: . . . . 1000'

DATE: OCT., 15/1970

LEGEND

FENCE . . . . . .

PIPELINE . . . . .

POWERLINE . . . .

ROAD, RR.

mining geophysical surveys

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INDUCED POLARIZATION AND

RESISTIVITY SURVEY

GIBSON MINE PROPERTY

GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

PROJECT 0043

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INDUCED POLARIZATION AND
RESISTIVITY SURVEY
GIBSON MINE PROPERTY
GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

INTRODUCTION:

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Respectfully submitted,

J B Parker/nsw

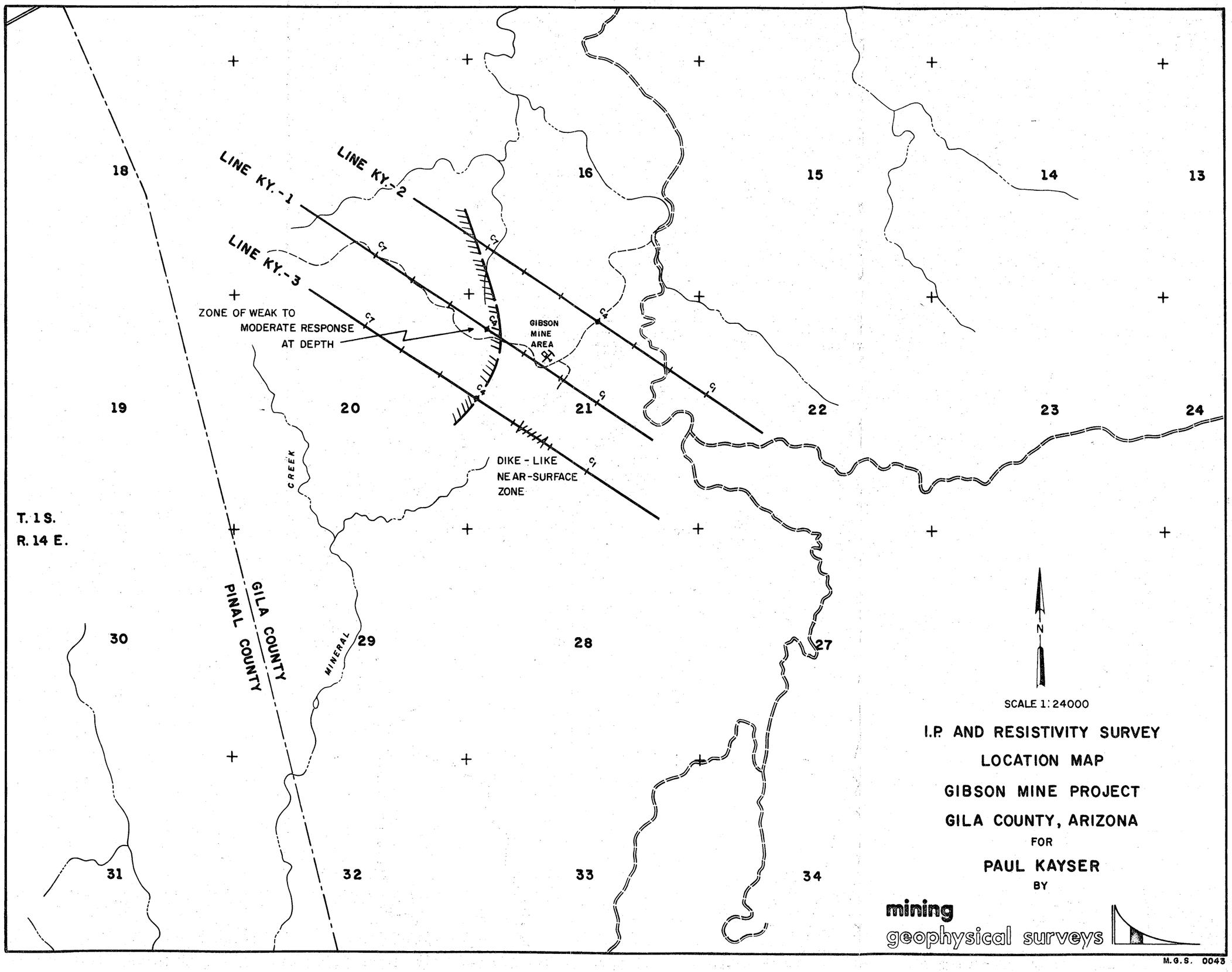
James B. Parker
Technician

W Gordon Wieduwilt

W. Gordon Wieduwilt
Geophysicist

Tucson, Arizona

November 3, 1970


LINE KY.-1
LINE KY.-2
LINE KY.-3
ZONE OF WEAK TO
MODERATE RESPONSE
AT DEPTH
GIBSON
MINE
AREA
DIKE - LIKE
NEAR-SURFACE
ZONE
MINERAL CREEK
GILA COUNTY
PINAL COUNTY
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SCALE 1:24000
I.P. AND RESISTIVITY SURVEY
LOCATION MAP
GIBSON MINE PROJECT
GILA COUNTY, ARIZONA
FOR
PAUL KAYSER
BY
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TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

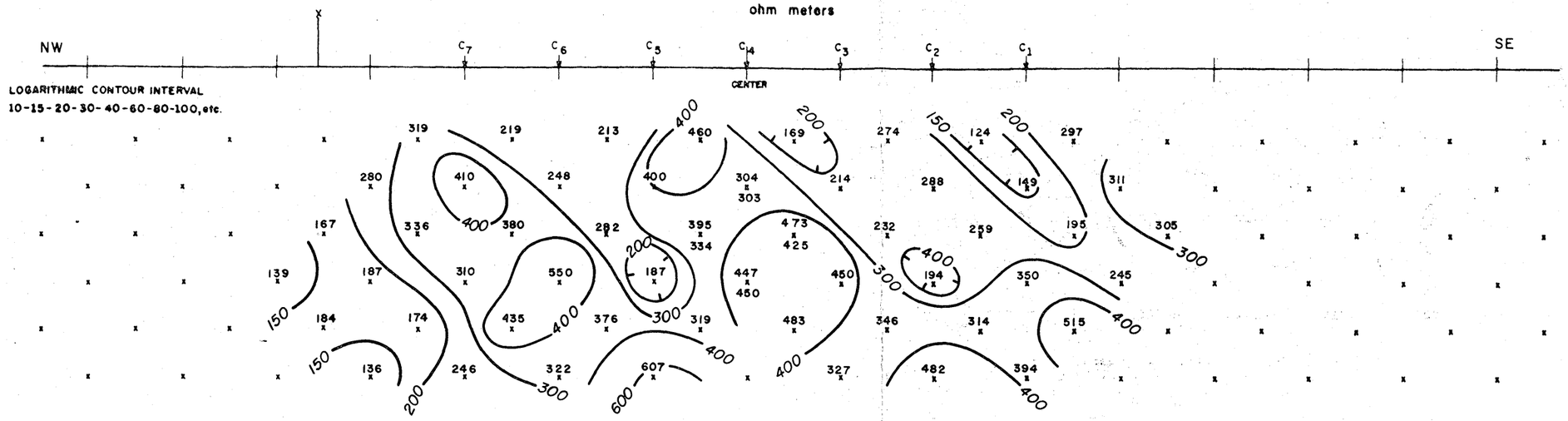
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

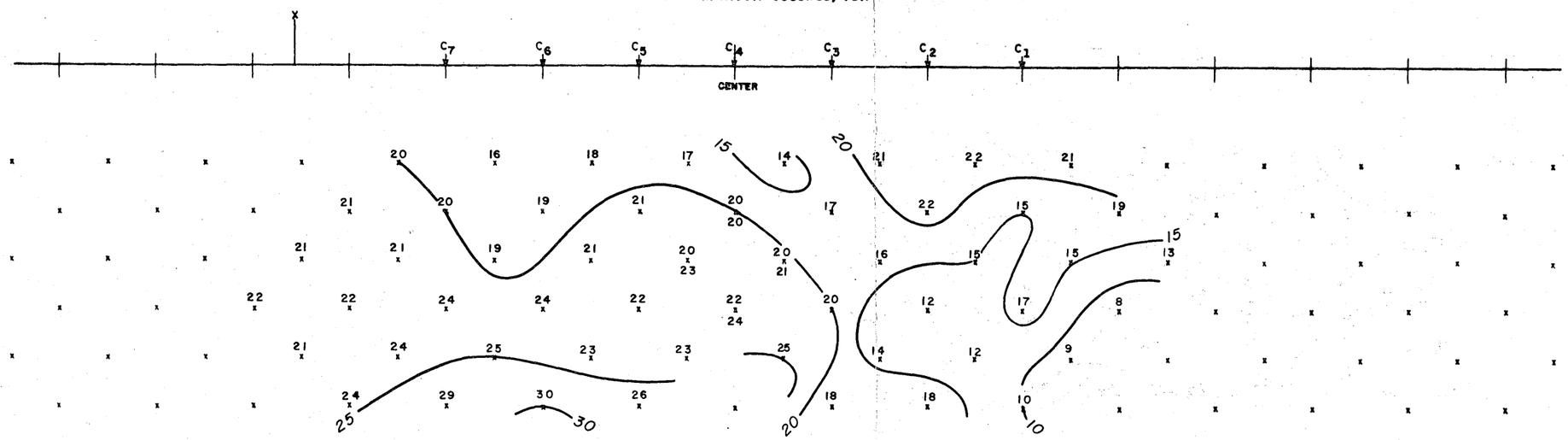
APPARENT RESISTIVITY

ohm meters

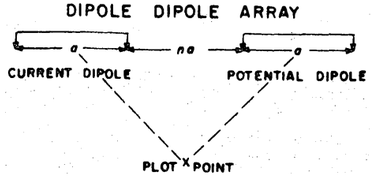


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . . KY. 1

LOOKING: . . . . NE

DIPOLE LENGTH: . . . 1000'

DATE: OCT., 9/1970

LEGEND

FENCE . . . . . .

PIPELINE . . . . . .

POWERLINE . . . . .

ROAD, RR.

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TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

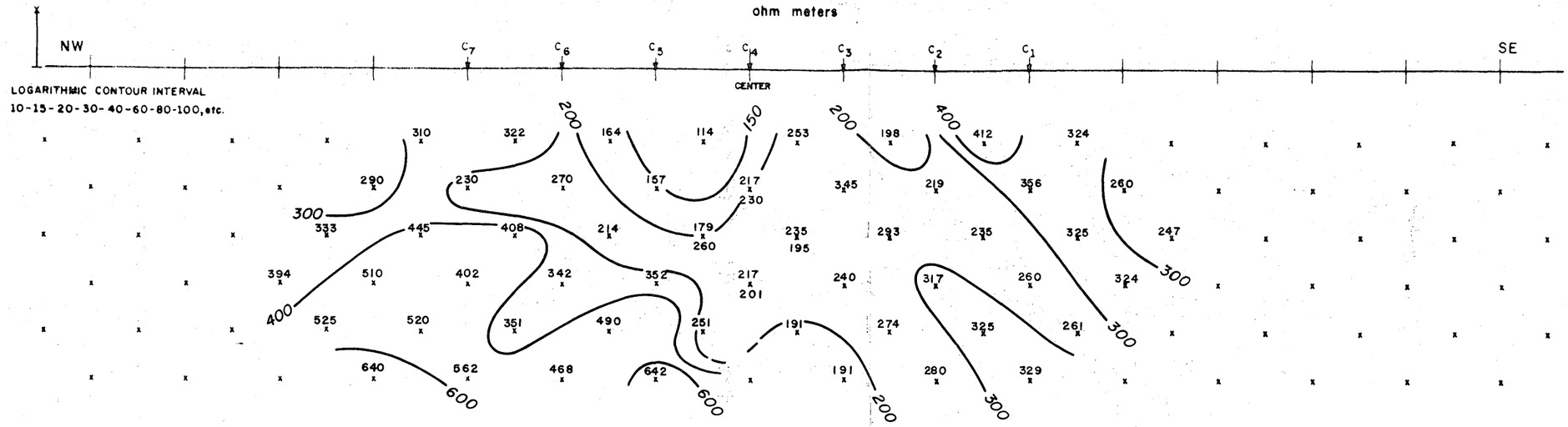
GIBSON MINE PROJECT - GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

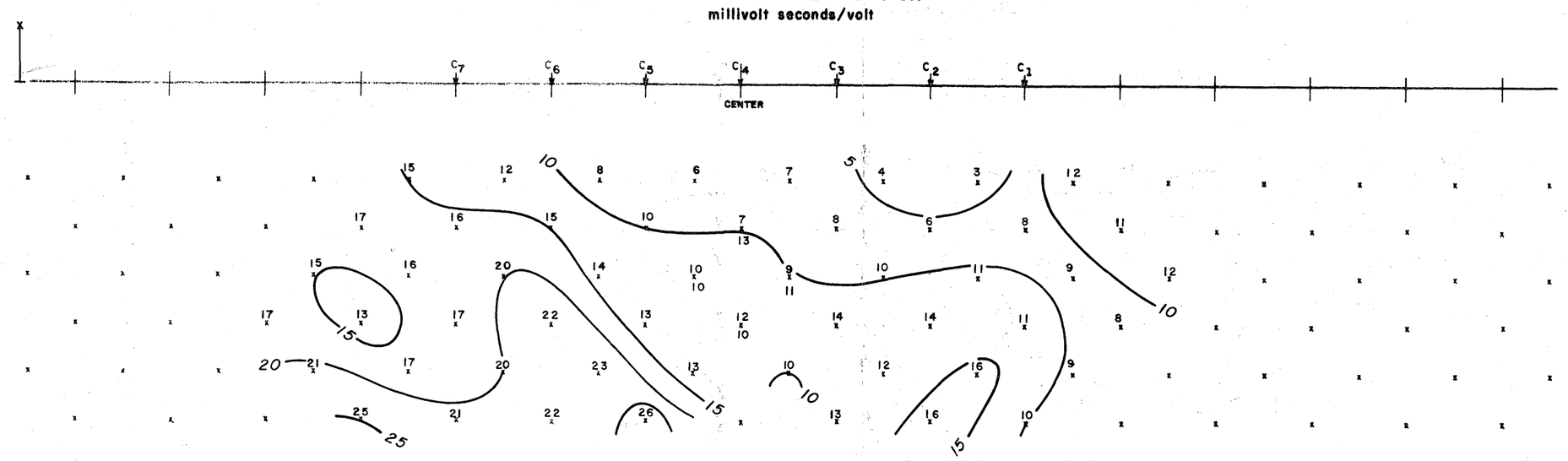
APPARENT RESISTIVITY

ohm meters

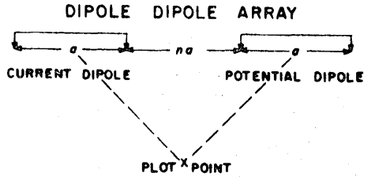


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . . KY. 2

LOOKING: . . . . NE

DIPOLE LENGTH: . . . 1000'

DATE: OCT., 13/1970

LEGEND

FENCE. . . . . .

PIPELINE . . . . . .

POWERLINE. . . . .

ROAD, RR.

mining geophysical surveys

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TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

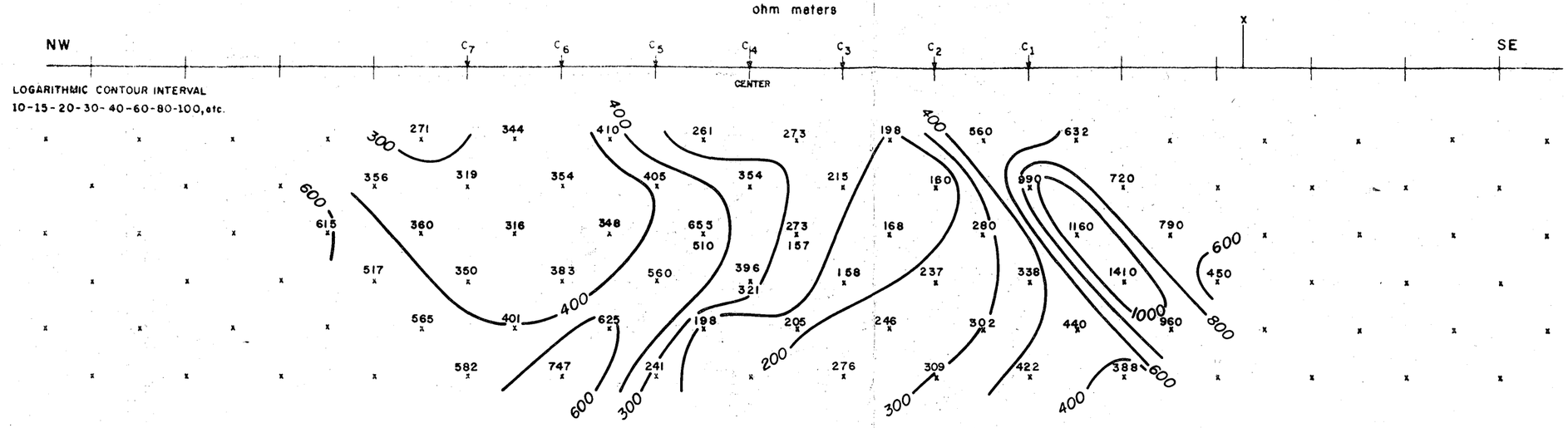
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

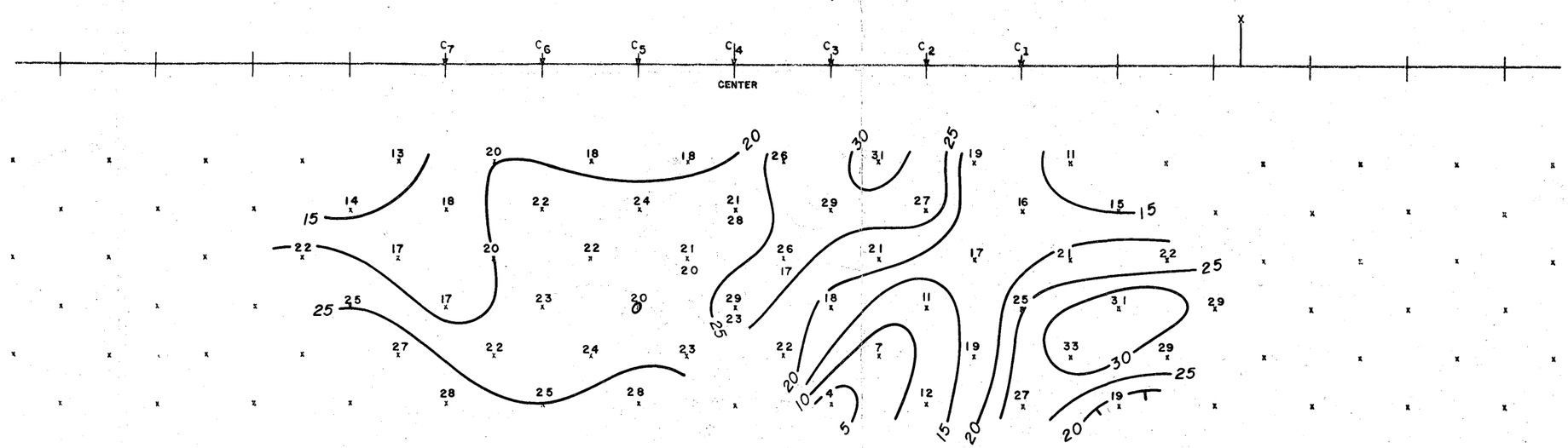
APPARENT RESISTIVITY

ohm meters

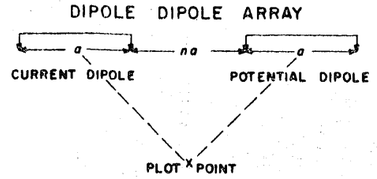


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . KY. 3

LOOKING: . . . . NE

DIPOLE LENGTH: . . . . 1000'

DATE: OCT., 15/1970

LEGEND

FENCE. . . . . .

PIPELINE . . . . . .

POWERLINE. . . . .

ROAD, RR.

mining geophysical surveys

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INDUCED POLARIZATION AND

RESISTIVITY SURVEY

GIBSON MINE AREA

GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

PROJECT 0102

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INDUCED POLARIZATION AND
RESISTIVITY SURVEY
GIBSON MINE AREA
GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

INTRODUCTION:

During the period January 18 through February 2, 1971, an induced polarization and resistivity survey was performed on the titled area. The field work was under the direction of Raymond M. Sadowski, geophysical engineer for Mining Geophysical Surveys.

The purpose of this survey was to detail by further coverage two anomalous zones outlined by Charles L. Elliot, consulting geophysicist to Mr. Paul Kayser. Three lines were completed--one line to check a moderately weak IP zone in the northwest corner of the area; two lines to further develop the anomalous IP characteristics of a relatively small target of moderately strong response at depth to the southeast.

SURVEY PROCEDURE:

The induced polarization and resistivity measurements are made in the time-domain mode of operation. A conventional system of measurements which uses a time cycle of 2.0 seconds "on"

and 2.0 seconds "off" - 2.0 seconds "on" and 2.0 seconds "off" (current reversed) was employed.

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Apparent polarization response is in units of millivolt seconds per volt, or milliseconds (ms), and apparent resistivity is in units of ohmmeters. The data from each line is plotted in quasi-section to facilitate presentation of data at all spacings used.

BRIEF DESCRIPTION OF DATA:

The following brief description of the data is in no way intended to modify or rescind the final interpretation of C. L. Elliot.

LINE KY-4 Moderately anomalous response of 30 to 35 ms occurs in an irregular pattern on Line 4. From the previous data, it appears this line lies along the edge of a broad anomalous zone. This is not the optimum line position suggested by C. L. Elliot, consultant to Kayser. The line position was moved approximately 900' easterly of the suggested site for better accessibility.

LINES KY-5, KY-6 An irregular zone of anomalous IP response of >40 ms is indicated on these two lines. The extent of the zone appears limited laterally and possibly at depth as well. Interestingly, this zone represents the strongest IP response obtained in the area to-date.

Resistivity data is highly variable which, from earlier work, appears to be a characteristic of Pinal schist throughout this locality.

Respectfully submitted,

Raymond M. Sadowski

Raymond M. Sadowski, B.Sc.
Geophysical Engineer

W. Gordon Wieduwilt

W. Gordon Wieduwilt
Geophysicist

March 1, 1971
Tucson, Arizona

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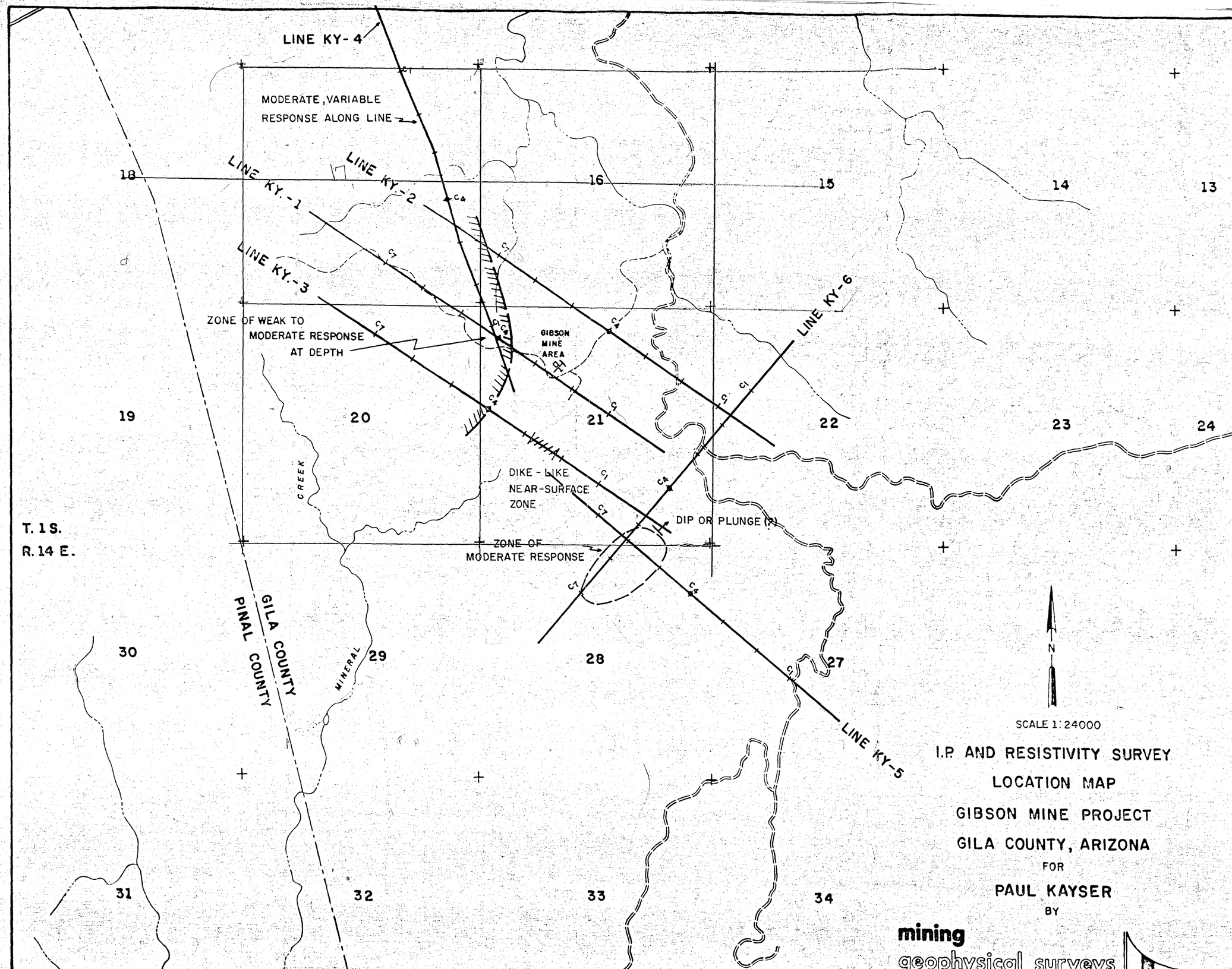
geophysical surveys


LINE KY-4
MODERATE, VARIABLE
RESPONSE ALONG LINE
LINE KY-1
LINE KY-2
LINE KY-3
LINE KY-6
LINE KY-5
ZONE OF WEAK TO
MODERATE RESPONSE
AT DEPTH
GIBSON
MINE
AREA
DIKE - LIKE
NEAR-SURFACE
ZONE
DIP OR PLUNGE (?)
ZONE OF
MODERATE RESPONSE
T. 1 S.
R. 14 E.
GILA COUNTY
PINAL COUNTY
MINERAL
CREEK
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SCALE 1:24000
I.P. AND RESISTIVITY SURVEY
LOCATION MAP
GIBSON MINE PROJECT
GILA COUNTY, ARIZONA
FOR
PAUL KAYSER
BY
mining
geophysical surveys

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

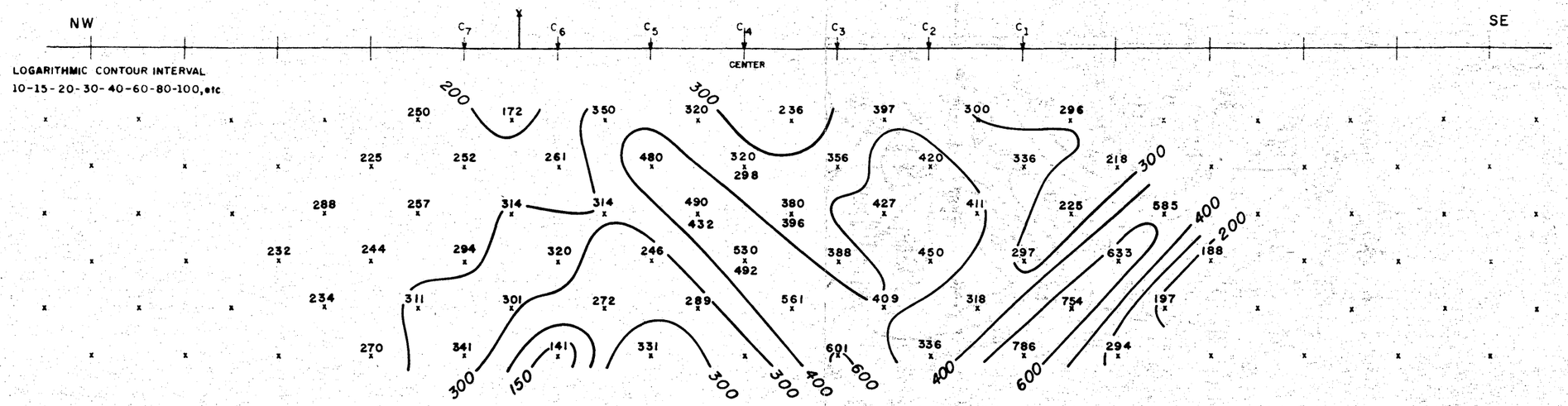
GIBSON MINE PROJECT - GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

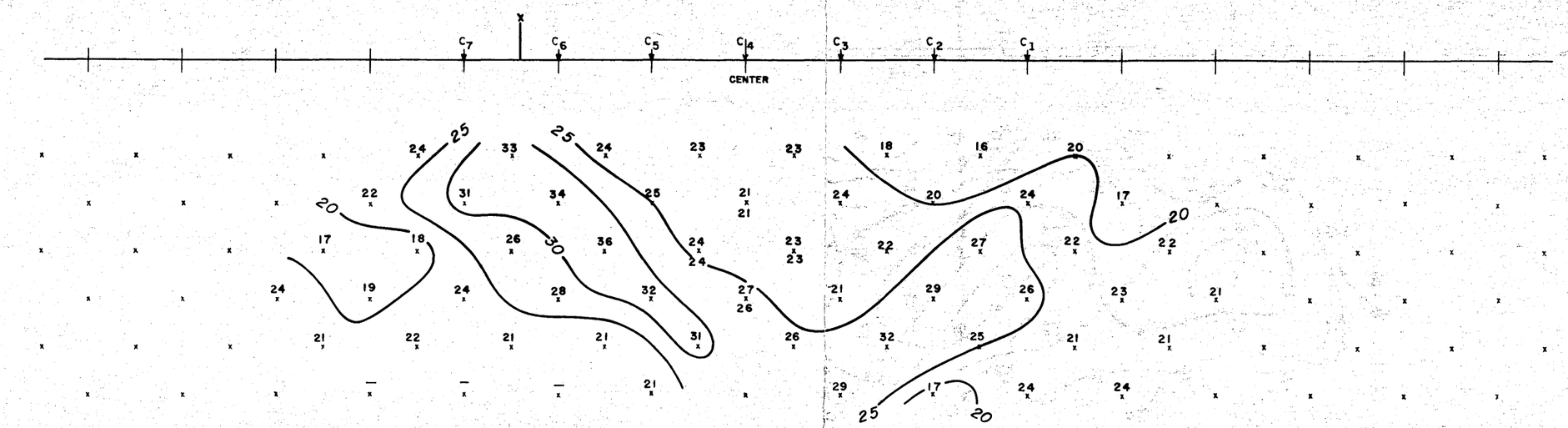
APPARENT RESISTIVITY

ohm meters

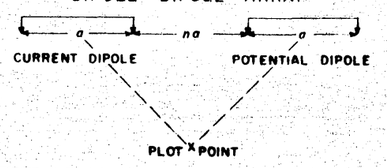


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . KY- 4

LOOKING: . . . . NE

DIPOLE LENGTH: . . . 1000'

DATE: JAN., 20/1971

LEGEND

FENCE. . . . . .

PIPELINE . . . . . .

POWERLINE. . . . .

ROAD, RR.

mining geophysical surveys

0102

M.G.S.

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

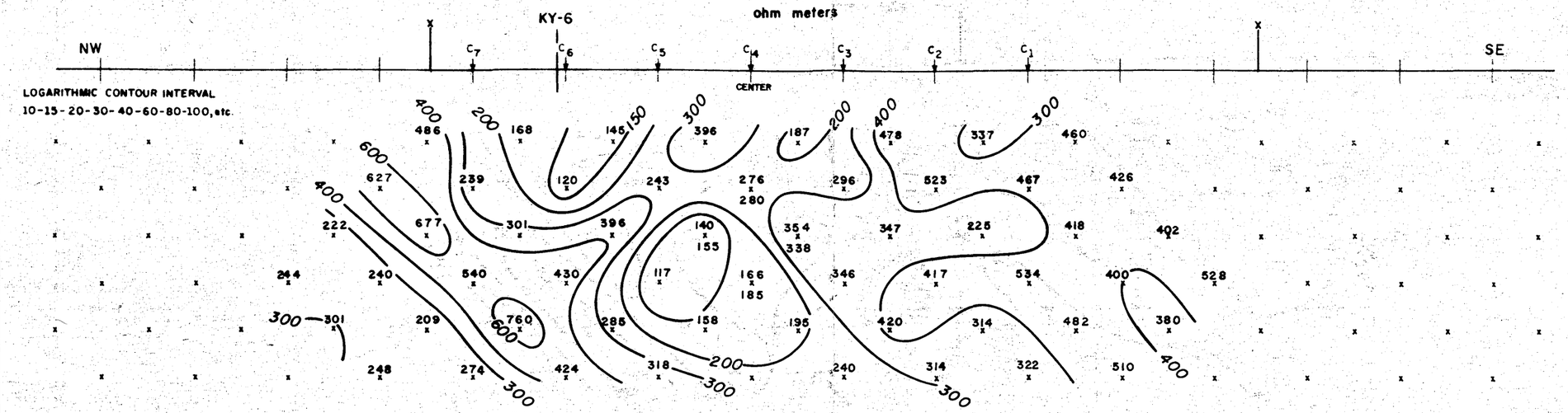
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

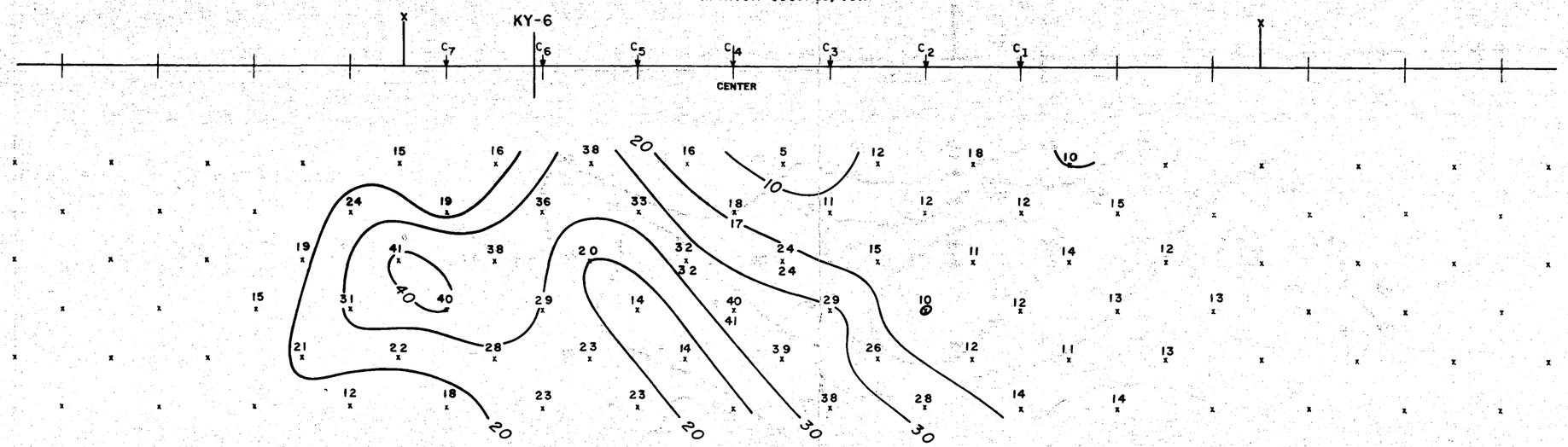
APPARENT RESISTIVITY

ohm meters

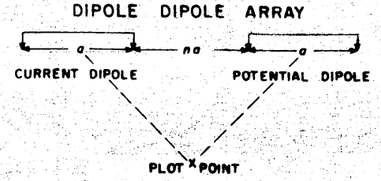


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: KY-5

LOOKING: . . . . NE

DIPOLE LENGTH: . . . . 1000'

DATE: JAN., 26/1971

LEGEND

FENCE . . . . . .

PIPELINE . . . . .

POWERLINE . . . .

ROAD, RR.

mining geophysical surveys

0102

M.G.S.

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

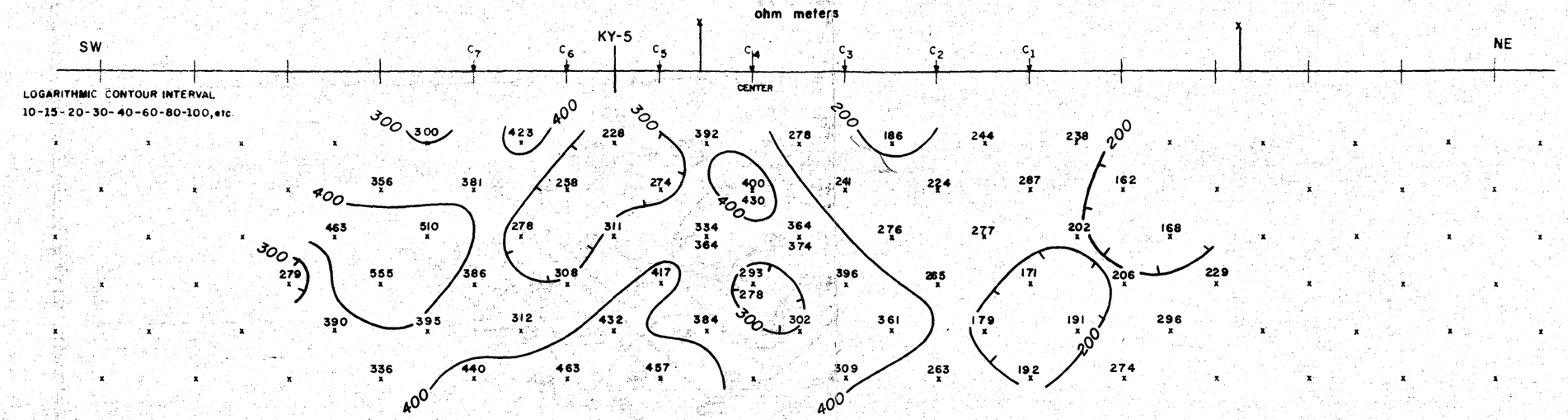
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

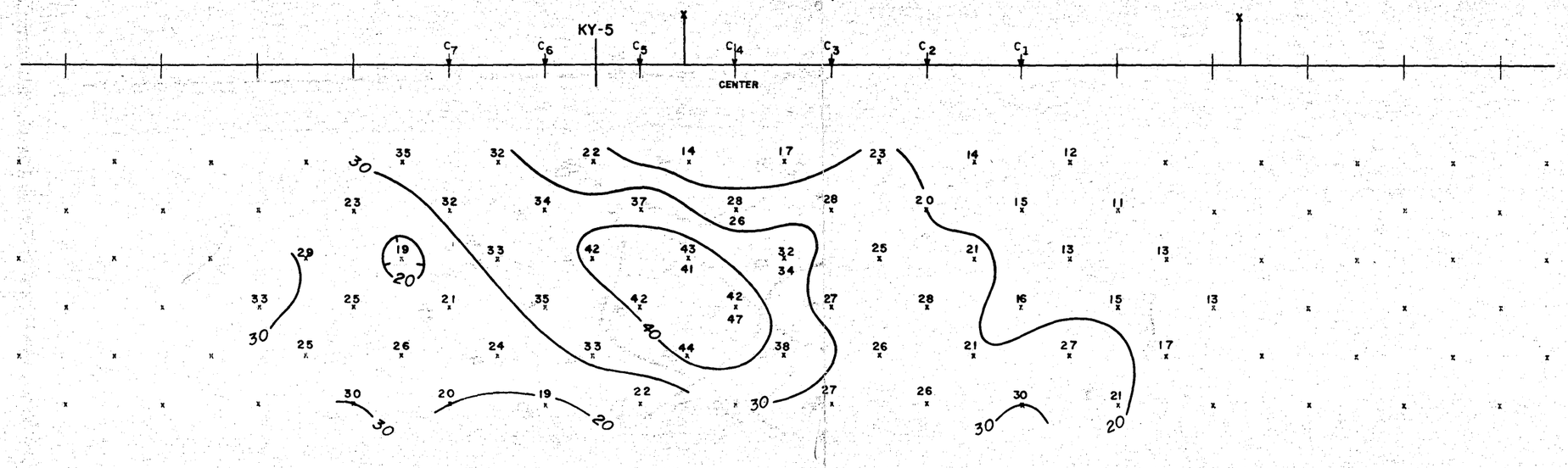
APPARENT RESISTIVITY

ohm meters

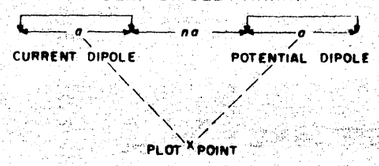


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . . KY - 6

LOOKING: . . . . NW

DIPOLE LENGTH: . . . . 1000'

DATE: JAN., 29/1971

LEGEND

FENCE . . . . . .

PIPELINE . . . . .

POWERLINE . . . .

ROAD, RR.

mining
geophysical surveys

0102

GIBSON ASSAYS

Gibson

Holes

2-3-4-6-7-8-9

PAGE # 2 HOLE G B # 2

Shop No. 4556
File No. 1592 K A

Date 5 DEC 1966

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

HOLE MARKS # G B # 2	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE Copper	REMARKS
80' - 85'		.2	$.25	TRACE				0.04	
85' - 90'	TRACE			NIL				0.03	
90' - 95'		.2	$.25	TRACE				0.34	
95' - 100'	TRACE			NIL				0.045	
100' - 105'	TRACE			NIL				0.04	
105' - 110'		.4	$.50	TRACE				0.04	
110' - 115'		.2	$.25	TRACE				0.035	
115' - 120'	TRACE			NIL				0.035	
120' - 125'	TRACE			NIL				0.04	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19
JACK E. A. STONE
ARIZONA, U.S.A.

Charges $ 132.00

Assayer
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

HOLE G B - 2 CONTINUED

No. 4563 Date C- 14 DEC 1966 CHAS. A. EHL (Registerea)

File No. C - 1592 K A

Arizona Assay Office

Phone ALpine 3-4001

815 Nor
Phoenix, Arizon
P. O. Box 1148

VALUES
Latest Quotation
z. Gold.....
1 oz. Silver.....
1 lb. Copper.....
1 lb. Lead.....
1 lb. Zinc.....

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

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

HOLE MARKS G B - 2	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
125' - 130'		.2	$.25	TRACE				0.055	
130 - 135'		.3	$.37		.01	$.35		0.06	
135' - 140'		.4	$.50		.01	$.35		0.06	
140' - 145'		.4	$.50	TRACE				0.07	
145' - 150'		.4	$.50	TRACE				0.085	
150' - 155'		.4	$.50	TRACE				0.08	
155' - 160'		.4	$.50	TRACE				0.08	
160' - 165'		.4	$.50	TRACE				0.07	
165' -170'		.4	$.50	TRACE				0.055	
170' - 175'		.4	$.50		.01	$.35		0.07	
175' - 180'		.4	$.50	TRACE				0.07	
180' - 185'		.4	$.50	TRACE				0.075	
185' - 190'		.4	$.50	TRACE				0.04	
190' - 195'		.4	$.50	TRACE				0.045	
195' - 200'		.4	$.50	TRACE				0.045	

REGISTERED ASS... CERTIFICATE EXPI... ARIZONA, U.S.A.

Charges $ 82.50

Assayer.....

ANDY CHUKA, PRINT

HOLE # G B - 2 Continued

Shop No. 4411

File No. C-1593 K A

Date 21 DEC 1966

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET

Phone: 253-4001

Phoenix, Arizona 85001

P. O. BOX 1148

MR. PAUL KAYSER

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
200' - 205'		.3	$.37	TRACE				0.055	
205' - 210'		.3	$.37	TRACE				0.04	
210' - 215'		.3	$.37	TRACE				0.045	
215' - 220'		.4	$.50	NIL				0.05	
220' - 225'		.4	$.50	TRACE				0.045	
225' - 230'		.4	$.50	TRACE				0.045	
230' - 235'		.4	$.50	TRACE				0.045	
235' - 240'		.4	$.50	TRACE				0.04	

Charges $ 44.00

Assayer .....

REGISTERED ASSAYER
JACK STONE
ARIZONA

JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

Shop No. 2275
File No. C-1594 KA

Date 14 JAN 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

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

MR. PAUL KAYSER

HOLE # ~~BB~~" - GB3 CONTINUED

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
~~GB-3~~ 200' - 205		.3	$.37	TRACE				0.25	
205' - 210'		.3	$.37	TRACE				0.45	
HOLE GB2 240' - 245'		.3	$.37	TRACE				0.10	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 16.50

Assayer Jack Stone
JACK STONE, REG. No. 5479

ANDY CHUKA, PRINT

Shop No. 1202
File No. 1595 K A

Date 17 JAN 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

HOLE G B - # 2

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
245 - 250		.2	$ .25	NIL				0.035	
250 - 255		.2	$ .25	NIL				0.045	
255 - 260		.2	$ .25	NIL				0.045	
260 - 265		.2	$ .25	TRACE				0.06	
265 - 270		.2	$ .25	TRACE				0.065	
270 - 275		.3	$ .37	TRACE				0.055	
275 - 280		.2	$ .25	TRACE				0.045	
280 - 285		.2	$ .25	TRACE				0.135	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 44.00

Assayer Jack Stone
JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

1246

Shop No. 1506 K A
File No. .....

Date 18 JAN 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

Orig Ho.

815 North First Street
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

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

HOLE # GB #2 GB #3 Continued

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB #2	290 - 295		.2	$.25	TRACE				0.04	
	295 - 300		.2	$.25	NIL				0.04	
	300 - 305		.2	$.25	NIL				0.035	
	305 - 310		.2	$.25	TRACE				0.04	
GB #3	245 - 250		.2	$.25	TRACE				0.11	
	250 - 255		.3	$.37	TRACE				0.10	
	255 - 260		.3	$.37	TRACE				0.09	
	260 - 265		.3	$.37	.01	$.35			0.065	
	265 - 270		.3	$.37	TRACE				0.075	
	270 - 275		.3	$.37	TRACE				0.075	

Paul Kayser Houston Office

REGISTERED ASSAYER CERTIFICATE EXPIRES JACK E. A. STONE DEC. 31, 19.. ARIZONA, U.S.A.

$ 55.00

Assayer.....

Shop No. 1246
File No. 1597 K A

Date 19 JAN 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

HOLE GB #2 Continued

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

	MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER				REMARKS
GB2	310 - 315		.4	$ .50	TRACE				0.125				
	315 - 320		.4	$ .50	TRACE				0.135				
	320 -325		.6	$ .75		.01	$ .35		13.30	4380'			
	325 - 330		.6	$ .75		.01	$ .35		4.50				
	330 -335		.8	$1.00	TRACE				1.35				
	335 - 340		.4	$ .50	TRACE				0.80				
	340 -345		.4	$ .50	TRACE				0.76				

Charges $ 38.50

Assayer

DEC. 31, 1967
JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

Shop No. 1276
File No. 1598 K A

Date 20 JAN 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR.PAUL KAYSER

HOLE GB 2 Continued

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B # 2 345 - 350		.2	$.25	TRACE				0.51	
350 - 355		.2	$.25	TRACE				0.20	
355 - 360		.2	$.25	TRACE				0.20	
360 - 365		.2	$.25	TRACE				0.20	
345-350-concentrate		3.50 % Cu							

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC 31, 1967
ARIZONA, U.S.A.

Charges $ 22.00

Assayer Jack Stone
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Snap No. 1232 Date 23 JAN 1967
File No. 1599 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

HOLE GB #2 CONTINUED

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
365 - 370		.2	$ .25	TRACE				0.40	
370 - 375		.2	$ .25	TRACE				0.40	

Charges $ 11.00

Assayer

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. STONE
DEC. 31, 19
JACK STONE REG. NO. 5479
ARIZONA

ANDY CHUKA, PRINT

Shop No. 1234
File No. 1600 K A

Date 24 JAN 1967

VALUES
Latest Quotation

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

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

THIS CERTIFIES
Samples submitted for assay contain as follows: HOLE GB # 2 Continued

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
375 - 380		.2	$.25	TRACE				0.375	
380 - 385		.2	$.25	TRACE				0.335	
385 - 390		.2	$.25	TRACE				0.275	
390 - 395		.2	$.25	TRACE				0.30	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 22.00

Assayer
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. 1232
File No. 1692 K A

Date 25 JAN 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

HOLE GB #2 & #3

Short Ton ..... 2000 l
Short Ton Unit ..... 20 l
Long Ton ..... 2240 l
Long Ton Unit ..... 22.4 l

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB # 2	395 - 400		.2	$.25	TRACE				0.365	
	400 - 405		.2	$.25	TRACE				0.265	
	405 - 410		.2	$.25	TRACE				0.255	
GB #3	275 - 280		.3	$.37	TRACE				0.125	
GB # 3	280 - 285		.3	$.37	TRACE				0.095	
	285 - 290		.3	$.37	TRACE				0.095	
	295 - 300		.3	$.37	TRACE				0.125	
	290 - 295		.3	$.37	TRACE				0.095	
	300 - 305		.3	$.37	TRACE				0.235	
	305 - 310		.3	$.37	TRACE				0.205	
	310 - 315		.3	$.37	TRACE				0.265	
	315 - 320		.3	$.37	TRACE				0.165	

REGISTERED ASSAYER
CERTIFICATE EXP.
JACK STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 66.00

Assayer

ANDY CHUKA, PRINT

Shop No. 1212
File No. 1602 K A

Date 26 JAN 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

HOLE GB 2 Continued

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
410 - 415		.2	$.25	TRACE				0.115	
415 - 420		.2	$.25	TRACE				0.075	
420 - 425		.2	$.25	TRACE				0.075	

Charges $ 16.50

Assayer

REGISTERED ASSAYER CERTIFICATE NO. JACK E. A. STONE DEC. 31, 1967 ARIZONA

JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

2510
Shop No. 1603 K A
File No.

VALUES
Latest Quotation
1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 28 JAN 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

MR. PAUL KAYSER

HOLE GB 2 - GB 3

Short Ton 2000
Short Ton Unit 20
Long Ton 2240
Long Ton Unit 22.4

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B 2	425 - 430		.2	$.25	NIL				0.075	
	430 - 435		.2	$.25	NIL				0.08	
	435 - 440		.2	$.25	NIL				0.145	
	440 - 445		.2	$.25	NIL				0.095	
G B 3	375 - 380		.2	$.25	NIL				0.08	
	380 - 385		.2	$.25	NIL				0.075	
	385 - 390		.2	$.25	NIL				0.075	
	390 - 395		.2	$.25	NIL				0.07	
	395 - 400		.2	$.25	NIL				0.145	
	400 - 405		.2	$.25	NIL				0.12	
	405 - 410		.2	$.25	NIL				0.085	
	410 - 415		.3	$.37	NIL				0.075	
	415 - 420		.3	$.37	NIL				0.08	
	420 - 425		.2	$.25	NIL				0.09	
	425 - 430		.2	$.25	NIL				0.095	

Charges $ PAGE # 1
1603 KA

Assayer

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 1967
ARIZONA, U.S.A.

Shop No. 2412
File No. 1604 K A

Date 31 JAN 1967

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation

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

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

HOLE # GB 2 Continued

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB #2 445 - 450		.2	$.25	NIL				0.205	
450 - 455		.2	$.25	NIL				0.165	
455 - 460		.2	$.25	TRACE				0.105	
460 - 465		.2	$.25	TRACE				0.065	
465 - 470		.2	$.25	TRACE				0.085	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 27.50

Assayer
JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

PAGE # 2 OF INVOICE # 1604 K A

Shop No. 4310
File No. 1700 K A

Date 1 FEB 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

HOLE GB #2 Continued

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB #2 470 - 475		.2	$ .25	TRACE				0.125	
475 - 480		.2	$ .25	TRACE				0.115	
480 - 485		.2	$ .25	TRACE				0.105	
485 - 490		.2	$ .25	TRACE				0.125	
490 - 495		.2	$ .25	TRACE				0.09	
495 - 500		.2	$ .25	TRACE				0.085	
500 - 505		.2	$ .25	TRACE				0.07	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 19
ARIZONA, U.S.A.

Charges $ 38.50

Assayer
JACK STONE Reg. No. 5479

ANDY CHUKA, PRINT PAGE #1 Invoice # 1700 K A

Shop No. 4310
File No. 1700 K A

Date 2 FEB 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

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

MR. PAUL KAYSER

HOLE GB # 2 Continued

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB # 2	505 - 510		.2	$ .25	TRACE				0.06	
	510 - 515		.2	$ .25	TRACE				0.055	
	515 - 520		.2	$ .25	TRACE				0.065	
	520 - 525		.2	$ .25	TRACE				0.05	
	525 - 530		.2	$ .25	TRACE				0.05	
	530 - 535		.2	$ .25	TRACE				0.065	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 19 67
ARIZONA, U.S.A.

Charges $ 33.00
PAGE # 2 INVOICE # 1700 K A

Assayer.....
JACK STONE REG. NO. 5419

ANDY CHUKA, PRINT

Shop No. 4310
File No. 1700 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 3 FEB 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

MR. PAUL KAYSER

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

HOLE GB #2 ---------GB #4

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB # 2 535 - 540		.2	$.25	NIL				0.105	
540 - 545		.2	$.25	NIL				0.125	
545 - 550		.2	$.25	TRACE				0.08	
550 - 555		.2	$.25	TRACE				0.105	
B # 4 5 - 10		.2	$.25	TRACE				0.055	
10 - 15		.2	$.25	TRACE				0.05	
15 - 20		.6	$.75	TRACE				0.055	
20 - 25		.7	$.87		.01	$.35		0.05	
25 - 30		.7	$.87	TRACE				0.065	
30 - 35		.7	$.87		.01	$.35		0.05	
35 - 40		.6	$.75	TRACE				0.05	
40 - 45		.6	$.75		.01	$.35		0.055	
45 - 50		.6	$.75	TRACE				0.045	
50 - 55		.6	$.75	TRACE				0.045	
55 - 60		.6	$.75	TRACE				0.045	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19 6?
ARIZONA, U.S.A.

Charges $ 82.50

Assayer

ANDY CHUKA, PRINT

PAGE # 3 INVOICE # 1700 K A

Shop No. 4443
File No. 1702 K A

Date 7 FEB 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

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

MR.PAUL KAYSER

HOLE G B # 2

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB 2 555-560		.5	$.62	TRACE				0.155	
560 - 565		.5	$.62		.01	$.35		0.165	
565 - 570		.6	$.75		.01	$.35		0.155	
570 - 575	1	.0	$1.25		.01	$.35		0.14	
575 - 580		.9	$1.12		.02	$.70		0.145	
580 - 585		.6	$.75		.01	$.35		0.145	
585 - 590		.6	$.75	TRACE				0.15	
590 - 595		.6	$ .75	TRACE				0.15	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. STONE
DEC. 31, 19 67
ARIZONA, U.S.A.

Charges $ 44.00

PAGE # 1 Invoice # 1702 K A

Assayer

JACK STONE REG. NO. 3479

ANDY CHUKA, PRINT

Sr. No. 2275 Date 11 JAN 1966

File No. C 1594 K A

Arizona Assay Office

815 NORTH FIRST STREET

Phone: 253-4001

Phoenix, Arizona 85001

P. O. BOX 1148

VALUES
Latest Quotation

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

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

HOLE G B # 3 Continued

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
5 - 10		.2	$.25	TRACE				0.13	
10 - 15		.2	$.25	TRACE				0.065	
15 - 20		.2	$.25	TRACE				0.055	
20 - 25		.2	$.25	TRACE				0.075	
30		.3	$.37	NIL				0.155	
35		.3	$.37	TRACE				0.07	
35 - 40		.2	$.25	TRACE				0.09	
40 - 45		.2	$.25	TRACE				0.06	
45 - 50		.2	$.25	TRACE				0.08	
50 - 55		.2	$.25	TRACE				0.045	

REGISTERED ASSAYER CERTIFICATE EXPIRES DEC. 31, 19 67 JACK E. A. STONE ARIZONA, U.S.A.

Charges $ 55.00

Assayer

JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Sh... No. 2275
File No. 1594 K A

Date 6 JAN 1967

VALUES
Latest Quotation

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

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

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

MR. PAUL KAYSER

THIS CERTIFIES
Samples submitted for assay contain as follows:

HOLE # G B # 3

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
15' - 20'	.2		$.25	TRACE				0.055	
35' - 40'	.2		$.25	TRACE				0.095	
55' - 60'	.2		$.25	TRACE				0.05	
75' - 80'	.2		$.25	TRACE				0.04	
95' - 100'	.2		$.25	TRACE				0.095	
115' - 120'	.2		$.25	TRACE				0.055	
135' - 140'	.3		$.37	TRACE				0.065	
155' - 160'	.3		$.37	TRACE				0.06	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 19 67
ARIZONA, U.S.A.

Charges $ 44.00

Assayer

JACK STONE REG. NO. 3479

ANDY CHUKA, PRINT

Shop No. 2275
File No. C-1594 K A

Date 13 JAN 1967

CHA[illegible] DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First S[illegible]t
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

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

HOLE G B # 3 CONTINUED.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
60 - 65		.2	$.25	TRACE				0.145	
65 - 70		.3	$.37	TRACE				0.075	
70 - 75		.3	$.37	TRACE				0.055	
80 - 85		.3	$.37	TRACE				0.05	
85 - 90		.3	$.37	TRACE				0.055	
90 - 95		.3	$.37	TRACE				0.06	
100 - 105		.4	$.50	TRACE				0.075	
105 - 110		.3	$.37	TRACE				0.065	
110 - 115		.3	$.37	TRACE				0.045	
120 - 125		.3	$.37	TRACE				0.065	
125 - 130		.3	$.37	TRACE				0.075	
130 - 135		.2	$.25	NIL				0.085	
140 - 145		.2	$.25	TRACE				0.05	
145 - 150		.2	$.25	TRACE				0.055	
150 - 155		3.7	$4.62	TRACE				0.065	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19[illegible]
[illegible] A. STONE
ARIZONA, U.S.A.

Charges $ PAGE # 1

Assayer

ANDY CHUKA, PRINT

PAGE # 2

Shop No. 2275

File No. C-1594 K A

Date 13 JAN 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

HOLE G B # 3 CONTINUED . Page # 2

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
160 - 165	1	.5	$1.87	TRACE				0.04	
165 - 170		.3	$.37	NIL				0.045	
180 - 185		.3	$.37	NIL				0.035	
185 - 190		.3	$.37	NIL				0.06	
190 - 195		.3	$.37	NIL				0.045	
195 - 200		.3	$.37	NIL				0.105	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 1967
ARIZONA, U.S.A.
JACK E. A. STONE

Charges $ 115.50

Assayer.....
JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

Shop No. 2275
File No. C-1594 KA

Date 16 JAN 1967

CHA A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First S et
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

HOLE GB #3 ??

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
185 - 190		.2	$.25	TRACE				0.11	
190 - 195		.2	$.25	TRACE				0.135	
195 - 200		.2	$.25	TRACE				0.15	
200 - 205		.2	$.25	TRACE				0.55	
205 - 210		.2	$.25		.01	$.35		0.30	
210 - 215		.3	$.37		.01	$.35		0.19	
215 - 220		.3	$.37		.01	$.35		0.13	
220 - 225		.3	$.37	TRACE				0.235	
225 - 230		.3	$ .37	TRACE				0.235	
230 - 235		.3	$.37	TRACE				0.215	
235 - 240		.3	$.37	TRACE				0.175	
240 - 245		.3	$.37	TRACE				0.175	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 66.00

Assayer

ANDY CHUKA, PRINT

Shop No. 2275
File No. C-1594 KA

Date 14 JAN 1967

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

HOLE # BB" - GB3 CONTINUED

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
~~GB-3~~ 200' - 205		.3	$.37	TRACE				0.25	
205' - 210'		.3	$.37	TRACE				0.45	
HOLE GB2 240' - 245'		.3	$.37	TRACE				0.10	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 16.50

Assayer.....
JACK STONE, REG. No. 5479

ANDY CHUKA, PRINT

1246

Shop No. 1596 K A
File No.

Date 18 JAN 1967

CHA A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

Orig to

815 North First S et
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

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

HOLE # BB #2 GB #3 Continued

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB #2	290 - 295		.2	$.25	TRACE				0.04	
	295 - 300		.2	$.25	NIL				0.04	
	300 - 305		.2	$.25	NIL				0.035	
	305 - 310		.2	$.25	TRACE				0.04	
GB #3	245 - 250		.2	$.25	TRACE				0.11	
	250 - 255		.3	$.37	TRACE				0.10	
	255 - 260		.3	$.37	TRACE				0.09	
	260 - 265		.3	$.37	.01		$.35		0.065	
	265 - 270		.3	$.37	TRACE				0.075	
	270 - 275		.3	$.37	TRACE				0.075	

JAN 1967 Paul Kayser Houston Office

REGISTERED ASSAYER CERTIFICATE EXPIRES JACK E. A. STONE DEC. 31, 1969 ARIZONA, U.S.A.

REGISTERED ASSAYER CERTIFICATE EXPIRES STONE DEC. 31, 19 ARIZONA, U.S.A.

Charges $ 55.00

Assayer

ANDY CHUKA, PRINT

Shop No. 1232
File No. 1691 K A

Date 25 JAN 1967

CHAS. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First St.
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

HOLE GB #2 * #3

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

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB # 2	395 - 400		.2	$.25	TRACE				0.365	
	400 - 405		.2	$.25	TRACE				0.265	
	405 - 410		.2	$.25	TRACE				0.255	
GB #3	275 - 280		.3	$.37	TRACE				0.125	
GB # 3	280 - 285		.3	$.37	TRACE				0.095	
	285 - 290		.3	$.37	TRACE				0.095	
	295 - 300		.3	$.37	TRACE				0.125	
	290 - 295		.3	$.37	TRACE				0.095	
	300 - 305		.3	$.37	TRACE				0.235	
	305 - 310		.3	$.37	TRACE				0.205	
	310 - 315		.3	$.37	TRACE				0.265	
	315 - 320		.3	$.37	TRACE				0.165	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 66.00

Assayer

ANDY CHUKA, PRINT

Shop No. 2291
File No. 1602 K A

Date 27 JAN 1967

CH A. DIEHL
(Registered)

Orig to Ranch

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

HOLE GB 3

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
320 - 325		.4	$.50		.01	$.35		0.125	
325 - 330		.4	$.50		NIL			0.115	
330 - 335		.4	$.50		NIL			0.075	
335 - 340		.3	$.37		TRACE			0.085	
340 - 345		.3	$.37		NIL			0.09	
345 - 350		.3	$.37		NIL			0.065	
350 - 355		.3	$.37		NIL			0.07	
355 - 360		.2	$.25		TRACE			0.095	
360 - 365		.2	$.25		TRACE			0.17	
365 - 370		.2	$.25		NIL			0.145	
370 - 375		.3	$.37		NIL			0.11	

...ges $ 60.50

Assayer

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC 31, 19
ARIZONA, U.S.A.

...RINT

Shop No. 2310 1603 K A
File No.

Date 28 JAN 1967

CHAS. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First St.
Phoenix, Arizona
P. O. Box 1148

Ore is to French

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

HOLE GB 2 - GB 3

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

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B 2	425 - 430		.2	$.25	NIL				0.075	
	430 - 435		.2	$.25	NIL				0.08	
	435 - 440		.2	$.25	NIL				0.145	
	440 - 445		.2	$.25	NIL				0.095	
G B 3	375 - 380		.2	$.25	NIL				0.08	
	380 - 385		.2	$.25	NIL				0.075	
	385 - 390		.2	$.25	NIL				0.075	
	390 - 395		.2	$.25	NIL				0.07	
	395 - 400		.2	$.25	NIL				0.145	
	400 - 405		.2	$.25	NIL				0.12	
	405 - 410		.2	$.25	NIL				0.085	
	410 - 415		.3	$.37	NIL				0.075	
	415 - 420		.3	$.37	NIL				0.08	
	420 - 425		.2	$.25	NIL				0.09	
	425 - 430		.2	$.25	NIL				0.095	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ PAGE # 1 1603 KA

Assayer

PRINT

PAGE #2
2310

Shop No. .....

File No. 1603 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 28 JAN 1967

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR PAUL KAYSER

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

HOLE GB2 - GB5 Continued

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB 3 435 - 440		.2	$.25	NIL				0.08	
440 - 445		.2	$.25	NIL				0.08	
445 - 450		.2	$.25	NIL				0.075	
430 - 435		.3	$.37	NIL				0.085	

REGISTERED ASSAYER
CERTIFICATE
JACK E. A. STONE
DEC. 31, 19
ARIZONA, U.S.A.

Charges $104.50
Invoice # 1603 K A

Assayer.....
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. 2412
File No. 1604 K A

Date 30 JAN 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

HOLE GB #3 Continued

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB # 3 450 - 455		.2	$.25	TRACE				0.035	
455 - 460		.2	$.25	TRACE				0.095	
460 - 465		.2	$.25	NIL				0.075	
465 - 470		.2	$.25	TRACE				0.085	
470 - 475		.2	$.25	NIL				0.095	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK STONE
DEC. 31, 1967
ARIZONA

Charges $ 27.50

Assayer Jack Stone
JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

Shop No. 4310
File No. 1700 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 3 FEB 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

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

MR. PAUL KAYSER

HOLE GB #2 ---------GB #4

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B # 2	535 - 540		.2	$.25	NIL				0.105	
	540 - 545		.2	$.25	NIL				0.125	
	545 - 550		.2	$.25	TRACE				0.08	
	550 - 555		.2	$.25	TRACE				0.105	
G B # 4	5 - 10		.2	$.25	TRACE				0.055	
	10 - 15		.2	$.25	TRACE				0.05	
	15 - 20		.6	$.75	TRACE				0.055	
	20 - 25		.7	$.87		.01	$.35		0.05	
	25 - 30		.7	$.87	TRACE				0.065	
	30 - 35		.7	$.87		.01	$.35		0.05	
	35 - 40		.6	$.75	TRACE				0.05	
	40 - 45		.6	$.75		.01	$.35		0.055	
	45 - 50		.6	$.75	TRACE				0.045	
	50 - 55		.6	$.75	TRACE				0.045	
	55 - 60		.6	$.75	TRACE				0.045	

Charges $ 82.50

Assayer.....

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19 69
ARIZONA, U.S.A.

ANDY CHUKA, PRINT

PAGE # 3 INVOICE # 1700 K A

Shop No. 410
File No. 1701 K A

Date 4 FEB 1967

[redacted]
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

Dig to Juan

815 North First Street
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

HOLE # GB #4

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

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB 4	60 - 65		.6	$.75		.02	$.70		0.05	
	65 - 70		.7	$.87	TRACE				0.045	
	70 - 75		.7	$.87	TRACE				0.05	
	75 - 80		.7	$.87	TRACE				0.05	
	80 - 85		.7	$.87	TRACE				0.205	
	85 - 90	1	.2	$1.50	TRACE				0.105	
	90 - 95	1	.2	$1.50		.01	$.35		0.065	
	95 - 100	1	.2	$1.50		.01	$.35		0.05	
	100 - 105		.7	$.87		.01	$.35		0.045	
	105 - 110	1	.1	$1.37	TRACE				0.055	
	110 - 115		.9	$1.12	TRACE				0.05	
	115 - 120		.6	$.75		.01	$.35		0.05	
	120 - 125		.6	$.75	TRACE				0.115	
	125 - 130		.6	$.75	TRACE				0.06	
	130 - 135	1	.2	$1.50		.01	$.35		0.105	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. ...
DEC. 31, 19..
ARIZONA, U.S.A.

Charges $ 82.50

Assayer.....

PAGE # 1 of Invoice # 1701 K A

ANDY CHUKA, PRINT

Shop No. 4410
File No. 1701 K A

Date 6 FEB 1967

VALUES
Latest Quotation

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

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

HOLE G B # 4

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B 4 135 - 140		.7	$.87		.01	$.35		0.14	
140 - 145		.7	$.87	TRACE				0.135	
145 - 150		.7	$.87		.01	$.35		0.115	
150 - 155		.7	$.87	TRACE				0.095	
155 - 160		.6	$.75	TRACE				0.095	
160 - 165		.6	$ .75	TRACE				0.235	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK A. STONE
DEC. 31, 19.....

Charges $ 33.00

Assayer

JACK STONE REG. No. 5479.

ANDY CHUKA, PRINT

PAGE # 2 INVOICE # 1701 K A

Shop No. 4443
File No. 1702 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 7 FEB 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

MR. PAUL KAYSER

HOLE # G B # 4

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

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B # 4	165 - 170		.6	$.75		.02	$.70		0.105	
	170 - 175		.6	$.75	TRACE				0.085	
	175 - 180		.6	$.75	TRACE				0.09	
	180 - 185		.6	$.75	TRACE				0.095	
	185 - 190		.5	$.62	TRACE				0.095	
	190 - 195		.5	$.62	TRACE				0.085	
	195 - 200		.5	$.62	TRACE				0.075	
	200 - 205		.5	$.62	TRACE				0.07	
	205 - 210		.5	$.62	TRACE				0.06	
	210 - 215		.5	$.62	TRACE				0.065	
	215 - 220		.6	$.75	TRACE				0.065	
	220 - 225		.6	$.75	TRACE				0.07	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
STONE
DEC. 31, 19
ARIZONA, U.S.A.

Charges $ 66.00

Assayer

PAGE # 2 INVOICE # 1702 K A

Shop No. 4443
File No. 1702 K A

Date 8 FEB 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

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

MR. PAUL KAYSER

HOLE G B # 4

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B -4	225 - 230		.5	$.62	TRACE				0.10	
	230 - 235		.5	$.62	TRACE				0.085	
	235 - 240		.6	$.75	TRACE				0.095	
	240 - 245		.6	$.75	TRACE				0.06	
	245 - 250		.6	$.75	TRACE				0.085	
	250 - 255		.6	$.75	TRACE				0.05	
	255 - 260		.6	$.75	TRACE				0.05	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 33.50

Assayer.....
JACK STONE REG. NO. 5479

PAGE # 3 INVOICE # 1702 K A

ANDY CHUKA, PRINT

Shop No. 4444

File No. 1703 K A

Date 9 FEB 1967

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

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

MR. PAUL KAYSER

HOLE G B # 4 Continued

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B 4	260 - 265		.5	$.62	TRACE				0.06	
	265 - 270		.5	$.62	TRACE				0.065	
	270 - 275		.5	$.62	TRACE				0.065	
	275 - 280		.5	$.62	TRACE				0.065	
	280 - 285		.5	$.62	TRACE				0.065	
	285 - 290		.5	$.62		.02	$.70		0.065	

REGISTERED ASSAYER
CERTIFICATE EXP.
JACK STONE
DEC. 31, 19
ARIZONA, U.S.A.

Charges $33.00

Assayer

JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

PAGE # 1 INVOICE # 1703 K A

Shop No. 14
File No. 1703 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 10 FEB 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

MR.PAUL KAYSER

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

HOLE G B # 4 Continued

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B 4	290 - 295		.6	$.75	NIL				0.065	
	295 - 300		.5	$.62		.01	$.35		0.055	
	300 - 305		.5	$.62	TRACE				0.06	
	305 - 310		.5	$.62	TRACE				0.075	
	310 - 315		.5	$.62	TRACE				0.105	
	315 - 320		.5	$.62	TRACE				0.065	
	320 - 325		.5	$.62	TRACE				0.065	
	325 - 330		.6	$.75	TRACE				0.05	
	330 - 335		.6	$.75	TRACE				0.065	
	335 - 340		.6	$.75		.01	$.35		0.07	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 55.00

Assayer.....

ANDY CHUKA, PRINT

PAGE # 2 INVOICE # 1703 K A

Shop No. 4388
File No. 1704 K A

Date 11 FEB 1967

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

Only to Sam

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

HOLE # G B # 4

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB 4 340 - 345		.5	$.62	NIL				0.065	
345 - 350		.5	$.62	NIL				0.06	
350 - 355		.5	$.62	TRACE				0.075	
355 - 360		.5	$.62	NIL				0.075	
360 - 365		.6	$.75	TRACE				0.125	
365 - 370		.6	$.75	TRACE				0.18	
370 - 375		.6	$.75	NIL				0.115	
375 - 380		.6	$.75	TRACE				0.145	
380 - 385		.6	$.75	TRACE				0.105	
385 - 390		.6	$.75	TRACE				0.275	
390 - 395		.6	$.75	TRACE				0.14	
395 - 400		.6	$.75	TRACE				0.15	
400 - 405		.6	$.75	TRACE				0.195	
405 - 410		.6	$.75	TRACE				0.155	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
P. L. A. STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 77.00

Assayer

PAGE # 3 INVOICE # 1704 K A

ANDY CHUKA, PRINT

Shop No. 4337 Date 13 FEB 1967 ~~CHAS. A. DIEHL~~ (Registered)

File No. ~~1704~~ 1705 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

MR. PAUL KAYSER

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

HOLE # G B # 4 Continued

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE IRON	REMARKS
GB 4	385 - 390									3.00	
	400-405									2.90	
	410 - 415		.5	$.62	NIL				0.205		
	415 - 420		.5	$.62	NIL				0.265		
	420 - 425		.5	$.62	TRACE				0.20		
	425 - 430		.5	$.62	TRACE				0.235		
	430 - 435		.5	$.62	TRACE				0.255		
	435 - 440		.6	$.75	TRACE				0.21**(0.21)		
	440 - 445		.5	$.62	TRACE				0.185		
	445 - 450		.6	$.75	TRACE				0.225		
	450 - 455		.5	$.62	TRACE				0.135		
	455 - 460		.4	$.50	NIL				0.135		
	460 - 465		.4	$.50	NIL				0.14		
	465 - 470		.4	$.50	TRACE				0.12		

REGISTERED ASSAYER CERTIFICATE EXPIRES JAN. 1 STONE DEC. 31, 1967 ARIZONA, U.S.A.

Charges $ 72.00 Assayer

1709-KA

Shop No. 4343 Date 20 FEB 1967

File No. 1709 K A

VALUES 1709-KA
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

HOLE G B # 4

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

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
G B # 4	532 - 535		.5	$.52	TRACE				0.075	
	535 - 540		.6	$.75	TRACE				0.085	
	540 - 545		.6	$.75	NIL				0.045	
	545 - 550		.6	$.75	TRACE				0.065	
	550 - 555		.6	$.75	TRACE				0.05	
	555 - 560		.6	$.75	TRACE				0.045	
	560 - 565		.6	$.75	TRACE				0.04	
	565 - 570		.6	$.75	NIL				0.035	
	570 - 575		.6	$.75	NIL				0.045	
	575 - 580		.6	$.75	nil				0.055	

Charges $ $55.00 PAGE # 1 1709 K A

1709 KA

Assayer

JACK STONE REG. No. 5479

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. A. STONE
DEC 31 1967
ARIZONA, U.S.A.

Paul Kayser
Houston Office

ANDY CHUKA, PRINT

Shop No. G B - 7 Date 9 MARCH 1967

File No. 1803 K A Page #3

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

MR. PAUL KAYSER

Phoenix, Arizona 85001
P. O. BOX 1148

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB-7 225' - 230'		.5	$.62	TRACE				0.095	
GB-7 230' - 235'		.5	$.62	TRACE				0.085	
SLUDGE SPECIAL		.6	$.75		.02	$.70		6.72	
B - 6 (288½ - 291)		1.8	$2.25		.02	$.70		14.22	

Charges $ 187.00 PAGE #3 INVOICE # 1803 K A

Assayer.....
JACK STONE Reg. No. 5479

ANDY CHUKA, PRINT

Shop No. G B - 6 Date March 1967
File No. COPY.

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

HOLE G B - 6

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER				REMARKS
G B 6- 288½-291											14.22				
G B 6 - SPECIAL											6.72				

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. A. STONE
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ PAID

Assayer.....
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. G B - 7
File No. 1801 K A

Date 8 MARCH 1967

CHAS. A. DIE.
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

HOLE # GB-7

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

MARKS		SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
B-7	20' - 25'		.5	$.62	TRACE				0.055	
	25' - 30'		.5	$.62	TRACE				0.055	
	30' - 35'		.5	$.62	TRACE				0.16	
	35' - 40'		.5	$.62	TRACE				1.05	
	40' - 45'		.5	$.62	TRACE				0.235	
	45' - 50'		.5	$.62	TRACE				0.18	
	50' - 55'		.5	$.62	TRACE				0.16	
	55' - 60'		.4	$.50	TRACE				0.14	
	60' - 65'		.4	$.50	TRACE				0.095	
	65' - 70'		.5	$.62	TRACE				0.07	
	70' - 75'		.5	$.62	TRACE				0.07	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JAN. E. A.
DEC. 31, 1967
ARIZONA, U.S.A.

Charges $ 60.50

Assayer.....

NDY CHUKA, PRINT

Shop No. G B - 7
File No. 1803 K A

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 9 MARCH 1967

CHAS. A. DIEI
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

MR. PAUL KAYSER

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

HOLE # G B - 7

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER				REMARKS
75' - 80'		.5	$.62	TRACE				0.12				
80' - 85'		.5	$.62	TRACE				0.10				
85' - 90'		.5	$.62	TRACE				0.075				
90' - 95'		.5	$.62	TRACE				0.065				
95' - 100'		.5	$.62	TRACE				0.065				
100' - 105'		.5	$.62	TRACE				0.065				
105' - 110'		.5	$.62	TRACE				0.06				
110' - 115'		.5	$.62	TRACE				0.065				
115' - 120'		.5	$.62	TRACE				0.095				
120' - 125'		.5	$.62	TRACE				0.085				
125' - 130'		.5	$.62	TRACE				0.08				
130' - 135'		.5	$.62	TRACE				0.08				
135' - 140'		.5	$.62	TRACE				0.07				
140' - 145'		.5	$.62	TRACE				0.105				
145' - 150'		.5	$.62	TRACE				0.075				

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK T. A.
DEC. 31, 19 67
ARIZONA, U.S.A.

Charges $ PAGE # 1 Invoice # 1803 K A

Assayer.....

ANDY CHUKA, PRINT

Shop No. G B - 7 Date 9 MARCH 1967 CHAS. A. DIEF (Registered)
File No. 1803-K A Page # 2

Arizona Assay Office

Phone ALpine 3-4001

815 North
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

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

HOLE # G B - 7 Continued

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
150' - 155'		.5	$.62	TRACE				0.09	
155' - 160'		.5	$.62	TRACE				0.09	
160' - 165'		.5	$.62	TRACE				0.08	
165' - 170'		.5	$.62	TRACE				0.115	
170' - 175'		.5	$.62	TRACE				0.085	
175' - 180'		.5	$.62	TRACE				0.085	
180' - 185'		.5	$.62	TRACE				0.195	
185' - 190'		.5	$.62	TRACE				0.19	
190' - 195'		.5	$.62	TRACE				0.165	
195' - 200'		.5	$.62	TRACE				0.175	
200' - 205'		.5	$.62	TRACE				0.12	
205' - 210'		.5	$.62	TRACE				0.08	
210' - 215'		.5	$.62	TRACE				0.225	
215' - 220'		.5	$.62	TRACE				0.135	
220' - 225'		.5	$.62	TRACE				0.08	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
STONE
DEC. 31, 19 69
ARIZONA, U.S.A.

Charges $ PAGE # 2 Invoice # 1803 K A

Assayer.....

ANDY CHUKA, PRINT

Shop No. G B - 7 Date 9 MARCH 1967

File No. 1803 K A Page #3

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
GB-5 225' - 230'		.5	$.62	TRACE				0.095	
GB-7 230' - 235'		.5	$.62	TRACE				0.085	
SLUDGE SPECIAL		.6	$.75	.02		$.70		6.72	
G B - 6 (288½ - 291)		1.8	$2.25	.02		$.70		14.22	

Charges $ 187.00 PAGE #3 INVOICE # 1803 K A

Assayer.....
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. G B - 9
File No. 1804 K A

Date 13 MARCH 1967 CHA A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First S et
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.PAUL KAYSER

HOLE # G B - 9

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER				REMARKS
GB-9 5' - 10'		.4	$.50	TRACE				0.165				
10' - 15'		.4	$.50	TRACE				0.115				
15' - 20'		.4	$ .50	TRACE				0.16				
20' - 25'		.4	$.50	TRACE				0.13				
25' - 30'		.4	$.50		.02	$.70		0.055				
30' - 35'		.4	$.50		.01	$.35		0.06				
35' - 40'		.4	$.50		.01	$.35		0.05				
40' - 45'		.4	$.50		.01	$.35		0.06				
45' - 50'		.4	$.50		.01	$.35		0.06				
50' - 55'		.8	$1.00	TRACE				0.06				
55 - 60'		.9	$1.12	TRACE				0.04				
60' - 65'	1	.2	$ 1.50	TRACE				0.10				

Charges $ 66.00

Assayer

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19
ARIZONA, U.S.A.

ANDY CHUKA, PRINT

Hdes

5, 6, 8

GIBSON PROPERTY
ASSAY RESULTS
DRILL HOLE NO. 5

Sample No.		Footage	Copper %/Ton	Silver Oz./Ton
1		0-10'	.04	
2		10-20'	.03	
3		20-30'	.05	
4		30-40'	.02	
5		40-50'	.04	0.10
6		50-60'	.02	
7		60-70'	.13	
8		70-80'	.05	
9		80-90'	.10	
10		90-100'	.15	0.05
11		100-110'	.03	
12		110-120'	.14	
13		120-130'	.06	
14		130-133'6"	.08	
15		140-150'	.22	
16		150-160'	.08	
17		160-170'	.08	
18		170-180'	.06	
19		180-190'	.04	
20		190-200'	.03	
21	(vein)	133'6"-140'	.85	0.35
22		200-210'	.04	
23		210-220'	.03	
24		220-230'	.08	
25		230-240'	.10	
26		240-250'	.11	0.2
27		250-260'	.08	
28		260-270'	.04	
29		270-280'	.03	
30		280-290'	.05	
31		290-300'	.08	0.1
32		300-310'	.05	
33		310-320'	.04	
34		320-330'	.04	
35		330-340'	.03	
36		340-350'	.05	0.1
37		350-360'	.08	
38		360-370'	.13	
39		370-380'	.14	

GIBSON PROPERTY
ASSAY RESULTS
DRILL HOLE #5

March 16, 1967

Sample No.	Footage	Copper %/Ton	Silver Oz./Ton
40	380-390'	.15	
41	390-400'	.09	0.2
42	400-410'	.03	
43	410-420'	.09	
44	420-430'	.04	
45	430-440'	.04	
46	440-450'	.05	0.1
47	450-460'	.06	
48	460-470'	.06	
49	470-480'	.40	
50	480-490'	.05	
51	490-500'	.07	0.2
52	500-510'	.04	
53	510-520'	.06	
54	520-530'	.04	

GIBSON PROPERTY
ASSAY RESULTS
DRILL HOLE NO. 6

Sample No.	Footage	Cu %/Ton	Ag oz/Ton	Au oz/Ton
76	120-130'	.22	.2	T
77	130-140'	.05		
78	140-150'	.04		
79	150-160'	.05		
80	160-170'	.05		
81	170-180'	.04	.1	T
82	180-190'	.03		
83	190-200'	.03		
84	200-210'	.05		
85	210-220'	.04		
86	220-230'	.06	.1	T
87	230-240'	.05		
88	240-250'	.03		
89	250-260'	.07		
90	260-270'	.04		
	274-276'	5.15	.4	
91	276-290'to291-297' (Schist and vein material)	.63	.3	.005
	290-291' (High grade steak in vein)	12.5		
92	270-274'	.14	.2	.005
93	297-300'	.15		
94	300-310'	.43		
95	310-322'	.13		

April 7, 1967

GIBSON PROPERTY
ASSAY RESULTS
DRILL HOLE NO. 8

Sample No.	Footages	Cu %/Ton	Ag Oz/Ton	Au oz/Ton
55	120-130'	.11	.2	T
56	130-140'	.23		
57	140-150'	.12		
58	150-160'	.10		
59	160-170'	.06	.1	T
60	170-180'	.05		
61	180-190'	.03		
62	190-200'	.08		
63	200-210'	.05		
64	210-220'	.07	.3	.005
65	220-230'	.09		
66	230-240'	.05		
67	240-250'	.04		
68	250-260'	.11		
69	260-270'	.06	.2	T
70	274'2"-274'6"	3.90	.5	.005
	(High grade portion of vein)			
71	244'6"-276'	.10	.2	T
	(quartz vein)			
72	270-274'2"to276-280'	.15	.2	
73	280-290'	.15		
74	290-300'	.45		
75	300-305	.13		

Yeager Holes

1 3 1A

Shop No. 6714-17
File No. 1113 PK

Date 28 MAY 1963

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

MR. PAUL KAYSER

Phoenix, Arizona 85001
P. O. BOX 1148

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

MARKS YEAGER	HOLE # 1	SILVER PER TON Ozs.	Tenths	VALUE PER TON		GOLD PER TON Ozs.	100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER				REMARKS
6714	0 - 5		.40			TRACE						0.12				
6715	5 - 10		.30			TRACE						0.09				
6716	10 - 15		.30			TRACE						0.07				
6717	15 - 20		.20			TRACE						0.07				

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. A. STONE
DEC. 31, 19
ARIZONA, U.S.A.

Charges $ 26.00

Assayer.....
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Lot No. 6300
File No. 1125 P K

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 5 JULY 1968

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

JUL 1968

MR. PAUL KAYSER

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

YEAGER HOLE # 1 A

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
PK 6300 0'-5'		.60		TRACE				0.03	
PK 6301 5'-10'		.40		TRACE				0.035	
PK 6302 10'-15'		.40		TRACE				0.055	
PK 6303 15'-20'		.40		TRACE				0.06	
PK 6304 20'-25'		.40		TRACE				0.04	
PK 6305 25'-30'		.40			.01	$.35		0.05	
PK 6306 30'-35'		.40		TRACE				0.05	
PK 6307 35'-40'		.40		TRACE				0.05	
PK6308 40'-45'		.40		TRACE				0.04	
PK 6309 45'-50'		.40		TRACE				0.04	
PK 6310 50'-55'		.40		TRACE				0.05	
PK 6311 55'-60'		.40		TRACE				0.025	
PK 6312 60'-65'		.40		TRACE				0.03	
PK 6313 65'-70'		.40		TRACE				0.04	
PK 6314 70'-75'		.40		TRACE				0.06	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19
ARIZONA, U.S.A.

Charges $ PAGE # ONE (1)

Assayer

Y CHUKA. PRINT

PAGE # 2

Shop No. 6815

File No. 1125 P K

Date 5 JULY 1963

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

YEAGER - HOLE # 1 A

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
~~PK 6815~~ 75'-80'	.40			TRACE				0.095	
~~PK 6816~~ 80'-85'	.40			TRACE				0.05	
~~PK 6817~~ 85'-90'	.40			TRACE				0.045	
~~PK 6818~~ 90'-95'	.40			TRACE				0.045	
~~PK 6819~~ 95'-100'	.40			TRACE				0.045	
~~PK 6820~~ 100'-105'	.40			TRACE				0.045	
~~PK 6821~~ 105'-110'	.40			TRACE				0.05	
~~PK 6822~~ 110'-115'	.40			TRACE				0.055	
~~PK 6823~~ 115'-120'	.40			TRACE				0.05	
~~PK 6824~~ 120' - 125'	.40			TRACE				0.05	

Charges $ 162.50

Assayer

JACK STONE REG. No. 5479

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19
ARIZONA U.S.A.

ANDY CHUKA, PRINT

Shop No. 6825-29
File No. 1126 P K

Date 6 JULY 1963

VALUES
Latest Quotation

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

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

THIS CERTIFIES
Samples submitted for assay contain as follows: (YEAGER- HOLE # 1 A)

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
PK 6825 125'-130'		.40		TRACE				0.045	
PK 6826 130'-135'		.40		TRACE				0.05	
PK 6827 135'-140'		.40		TRACE				0.08	
PK 6828-29 140'-150'		.40		TRACE				0.17	
6.145									

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19 68
ARIZONA, U.S.A.

Charges $ 26.00

Assayer.....
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. 6829A-6840
File No. 1137 P K

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Date 10 JULY 1963

CHAS. A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

MR. PAUL KAYSER

815 North First Street
Phoenix, Arizona
P. O. Box 1148

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

(YEAGER - HOLE # 1 A)

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
PK 6829A 145-150		.40		TRACE				0.04	
PK 6830 150-155		.40		TRACE				0.04	
PK 6831 155-160		.40		TRACE				0.03	
PK 6832 160-165		.40		TRACE				0.04	
PK 6833 165-170		.40		TRACE				0.04	
PK 6834 170-175		.40		TRACE				0.03	
PK 6835 175-180		.40		TRACE				0.06	
PK 6836 180-185		.40		TRACE				0.03	
PK 6837 185-190		.40		TRACE				0.03	
PK 6838 190-195		.40		TRACE				0.035	
PK 6839 195-200		.40		trace				0.06	
PK 6840 200-205		.40		TRACE				0.26	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 1963
ARIZONA, U.S.A.

Charges $ 78.00

Assayer.....

ANDY CHUKA, PRINT

Shop No. 6841
File No. 1129 P K

Date 12 JULY 1968

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

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

MR. PAUL KAYSER

(PK YEAGER HOLE # 1 A)

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER				REMARKS
205'-210'-#6841		.40			TRACE						0.28				
#6842 210'-215'		.40			TRACE						0.13				
#6843 215'-220'		.40			TRACE						0.11				
6844 220'-225'		.40			TRACE						0.14				
#6845 225'-230'		.40			TRACE						0.27				
#6846 230'-235'		.40			TRACE						0.10				
#6847 235'-240'		.40			TRACE						0.13				
#6848 240'-245'		.40			TRACE						0.12				
#6849 245'-250'		.40			TRACE						0.07				

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19
ARIZONA, U.S.A.

Charges $ PAGE # 1

Assayer.....
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

PAGE # 2

Shop No. 6850-59

File No. 1129 P K

Date 12 JULY 1968

Arizona Assay Office

815 NORTH FIRST STREET

Phone: 253-4001

Phoenix, Arizona 85001

P. O. BOX 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

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

MR. PAUL KAYSER

PAGE # 2 (PK YEAGER MINE # 1 A)

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER				REMARKS
# 6850 250'-255'		.40		TRACE				0.11				
# 6851 255'-260'		.40		TRACE				0.22				
# 6852 260'-265'		.40		TRACE				0.07				
# 6853 265'-270'		.40		TRACE				0.13				
# 6854 270'-275'		.40		TRACE				0.13				
# 6855 275'-280'		.40		TRACE				0.14				
# 6856 280'-285'		.40		TRACE				0.42				
# 6857 285'-290'		.40		TRACE				0.35				
# 6858 290'-295'		.40		TRACE				0.06				
# 6859 295'-300'		.40		TRACE				0.52				

Charges $ 123.50

Assayer.....

JACK STONE REG. No. 5479

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK A. STONE
DEC. 31, 19..
ARIZONA, U.S.A.

ANDY CHUKA, PRINT

Shop No. 6790
File No. 1154 P K

Date 11 AUG 1968

Ch[illegible] A. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

Mr Kayser Tucson
(Exp To Unknown)

MR. PAUL KAYSER

VALUES
Latest Quotation

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

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

(PK-YEAGER-DD-HOLE)

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
#6790 375.380'		.40		TRACE				0.24	
#6791 380'-385'		.40		TRACE				0.19	
#6792 385'-390'		.40		TRACE				0.15	
#6793 390'-395'		.40		TRACE				0.18	
#6794 395'-400'		.40		TRACE				0.20	
#6795 400'-405'		.40		TRACE				0.18	
#6796 405'-410'		.40		TRACE				0.15	
#6797 410'-415'		.40		TRACE				0.22	
#6798 415'-420'		.40		TRACE				0.27	
#6799 420'-425'		.40		TRACE				0.11	
#6800 425'-430'		.40		TRACE				0.16	
#6801 430'-435'		.40		TRACE				0.10	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19[illegible]
ARIZONA, U.S.A.

Charges $ 78.00

Assayer [illegible]

ANDY CHUKA, PRINT

Shop No. 6790
File No. 1154 P K

Date 11 AUG 1968

C. W. DIEHL
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North Fir Street
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

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

MR. PAUL KAYSER

(PK-YEAGER-DD-HOLE)

THIS CERTIFIES
Samples submitted for assay contain as follows:

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
#6790 375.380'		.40		TRACE				0.24	
#6791 380'-385'		.40		TRACE				0.19	
#6792 385'-390'		.40		TRACE				0.15	
#6793 390'-395'		.40		TRACE				0.18	
#6794 395'-400'		.40		TRACE				0.20	
#6795 400'-405'		.40		TRACE				0.18	
#6796 405'-410'		.40		TRACE				0.15	
#6797 410'-415'		.40		TRACE				0.22	
#6798 415'-420'		.40		TRACE				0.37	
#6799 420'-425'		.40		TRACE				0.11	
#6900 425'-430'		.40		TRACE				0.16	
#6901 430'-435'		.40		TRACE				0.10	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19
ARIZONA, U.S.A.

Charges $ 78.00

Assayer

ANDY CHUKA, PRINT

Shop No. 6790
File No. 1154 P K

Date 11 AUG 1968

CHAS. A. DIETZ
(Registered)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

MR. PAUL KAYSER

(PK-YEAGER-DD-HOLE)

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
#6790 375.380'		.40		TRACE				0.24	
#6791 380'-385'		.40		TRACE				0.19	
#6792 385'-390'		.40		TRACE				0.15	
#6793 390'-395'		.40		TRACE				0.18	
#6794 395'-400'		.40		TRACE				0.20	
#6795 400'-405'		.40		TRACE				0.18	
#6796 405'-410'		.40		TRACE				0.15	
#6797 410'-415'		.40		TRACE				0.23	
#6798 415'-420'		.40		TRACE				0.27	
#6799 420'-425'		.40		TRACE				0.11	
#6800 425'-430'		.40		TRACE				0.16	
#6801 430'-435'		.40		TRACE				0.10	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19 68
ARIZONA, U.S.A.

Charges $ 78.00

Assayer

ANDY CHUKA, PRINT

IP Hole

1

Shop No. 082 PK
File No. 1226 PK

Date 8 NOV 1968

#1

copies to Mr Kayser + Mr H

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR. PAUL KAYSER

(GIBSON PROPERTY- I-P-#1)

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE No.	REMARKS
C - 1 15-20		.40		TRACE				0.045		
S - 2 17 - 20		.40		TRACE				TRACE		
C - 2 20 - 24		.40		TRACE				0.055		
S - 4 24 - 31		.40		TRACE				TRACE		
C - 3 24 - 31		.40		NIL				0.020		
C - 4 31 - 37		.40		NIL				0.065		
S - 5 31 - 35		.40		TRACE				TRACE		
C - 5 37 - 41		.40		TRACE				0.080		
S - 6 35 - 41		.40		TRACE				TRACE		
C - 6 41 - 46		.40		TRACE				0.030		
S - 7 41 - 46		.40		TRACE				0.010		
C - 7 46 - 51		.40		NIL				0.050		
S - 8 46 - 51		.30		NIL				0.120		
S - 9 51 - 55		.40		NIL				0.075		
C - 8 55 - 60		.40		NIL				0.225		
S - 10 55 - 60		.40		NIL				0.110		

Charges $ $104.00

Assayer Jack Stone

JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

Shop No. 682-A
File No. 1227 PK

Date 9 NOV 1968

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

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

(GIBSON PROPERTY-I-P #1)

MARKS	% MOLYBDENUM	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE				REMARKS
C-1	NONE															
S-2	NONE															
C-2	NONE															
S-4	NONE															
C-3	NONE															
C-4	NONE															
S-5	NONE															
C-5	NONE															
S-6	NONE															
C-6	NONE															
S-7	NONE															
C-7	NONE															
S-8	NONE															
S-9	NONE															
C-8	NONE															
S-10	NONE															

Charges $ $ 128.00

Assayer Jack Stone
JACK STONE REG. No. 5479

REGISTERED ASSAYER
CERTIFICATE EXPIRE
JACK E. STONE
PHOENIX, ARIZONA, U.S.A.

ANDY CHUKA, PRINT

Copies to Mr Kaiser & Mr [illegible]

Shop No. 683K
File No. 1238 PK

Date 9 NOV 1038

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

(GIBSON PROPERTY- I-P #1)

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE No.	REMARKS
S-11 60'-63'		.40		NIL				0.120		
S-12 63'-70'		.40		TRACE				0.065		
S-13 70'-75'		.40		NIL				0.080		
S-14 75'-80'		.40		NIL				0.085		

Charges $ 25.00

Assayer Jack Stone 69

JACK STONE REG. NO. 5479

ANDY CHUKA, PRINT

Shop No. 683-803 1026 PX
File No.

Date 14 NOV 1968

Mr. Kayser

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

(GIBSON- I - P - HOLE # 1)

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE				REMARKS
	MOLYBDENUM											
S-11 60'-63'	NIL											
S-12 63'-70'	NIL											
S-13 70'-75'	NIL											
S-14 75'-80'	NIL											
C-9 85'-91'	NIL											
C-10 91'-94'	NIL											
S-15 80'-85'	NIL											
S-16 85'-91'	NIL											
S-17 93'-98'	NIL											
C-11 100'-105½'	NIL											
C-12 105½'-110'	NIL											
C-13 98'-100'	NIL											
C-13 100'-105½'	NIL											
C-13 110'-114'	NIL											
C-14 114'-120'	NIL						MOLYBDENUM					
C-15 120'-125'	NIL		(S-20 125'-130'---NIL)									

Charges $ 136.00

17-Molybdenum

Assayer

JACK STONE REG. No. 5479

REGISTERED ASSAYER ARIZONA, U.S.A.

ANDY CHUKA, PRINT

Shop No. 686
File No. 1234 PK

Date 13 NOV 1968

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

(GIBSON)

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE No.	REMARKS
C - 13 110'-114'		.40		TRACE				0.06	X	
C - 14 114'-120'		.40		TRACE				0.07	X	
C - 15 120'-125'		.45		NIL				0.07	X	
S - 20 125'-130'		.45		NIL				0.08	X	

REGISTERED ASSAYER
STATE OF ARIZONA
DEC. 31, 1969
ARIZONA, U.S.A.

Charges $ 26.00

Assayer
JACK STONE REG. No. 5479A

ANDY CHUKA, PRINT

Copy to Mr. Hansen

Shop No. 865
File No. 1238 PK

Date 12 NOV 1960

VALUES
Latest Quotation

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

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR. PAUL KAYSER

(GIBSON)

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

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE Mo.	REMARKS
C - 11 100'-105½'		.30			.01			0.04	X	
C - 12 105½'-110'		.30		TRACE				0.035	X	
S - 18 98 - 100		.30		TRACE				0.035	X	
S - 19 100'-105½'		.40		NIL				0.05	X	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JUNE
DEC. 31, 19
ARIZONA, U.S.A.

Charges $ 36.00

Assayer
JACK STONE REG. No. 5479

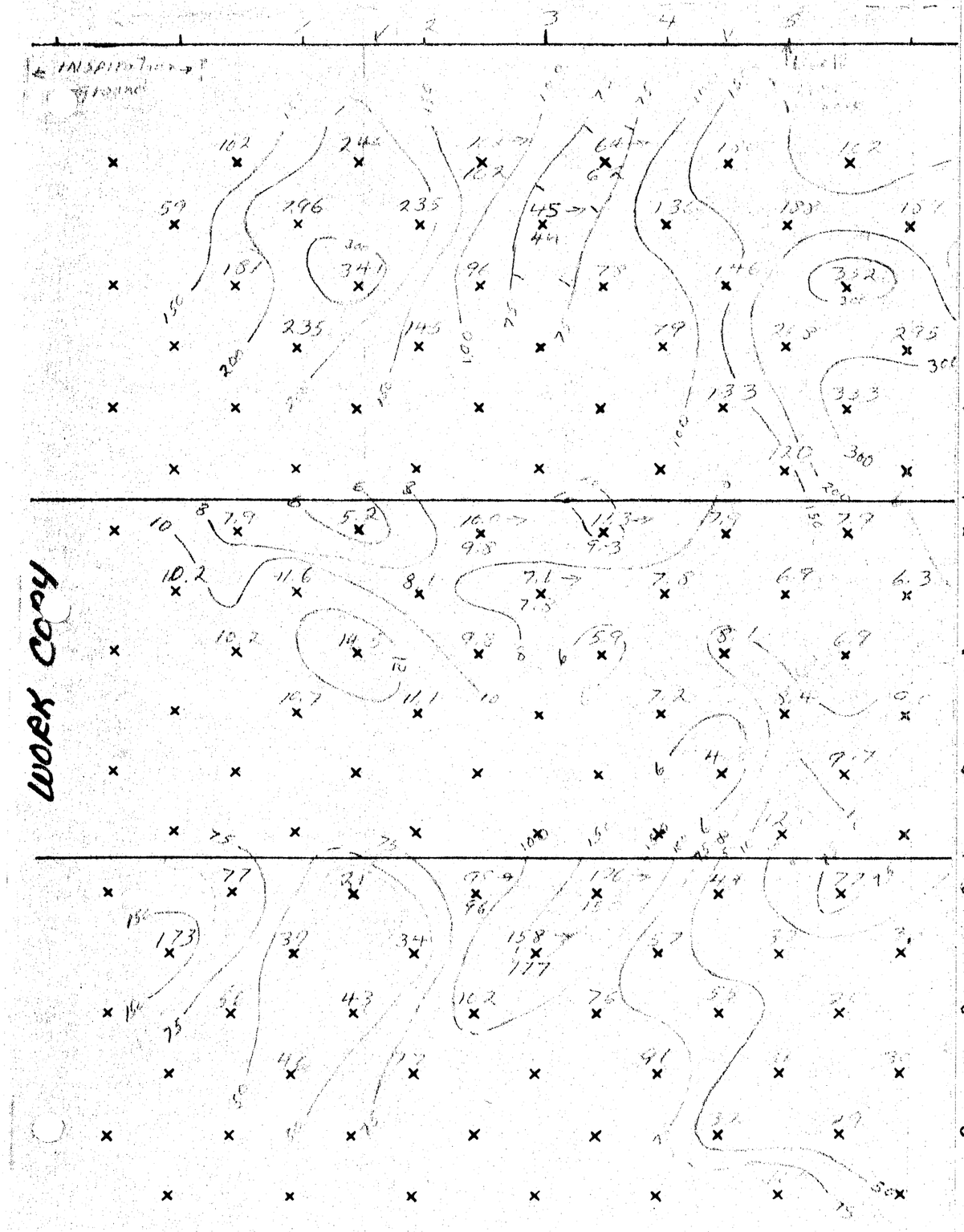
ANDY CHUKA, PRINT

GIBSON GEOPHYSICS

Heinrichs

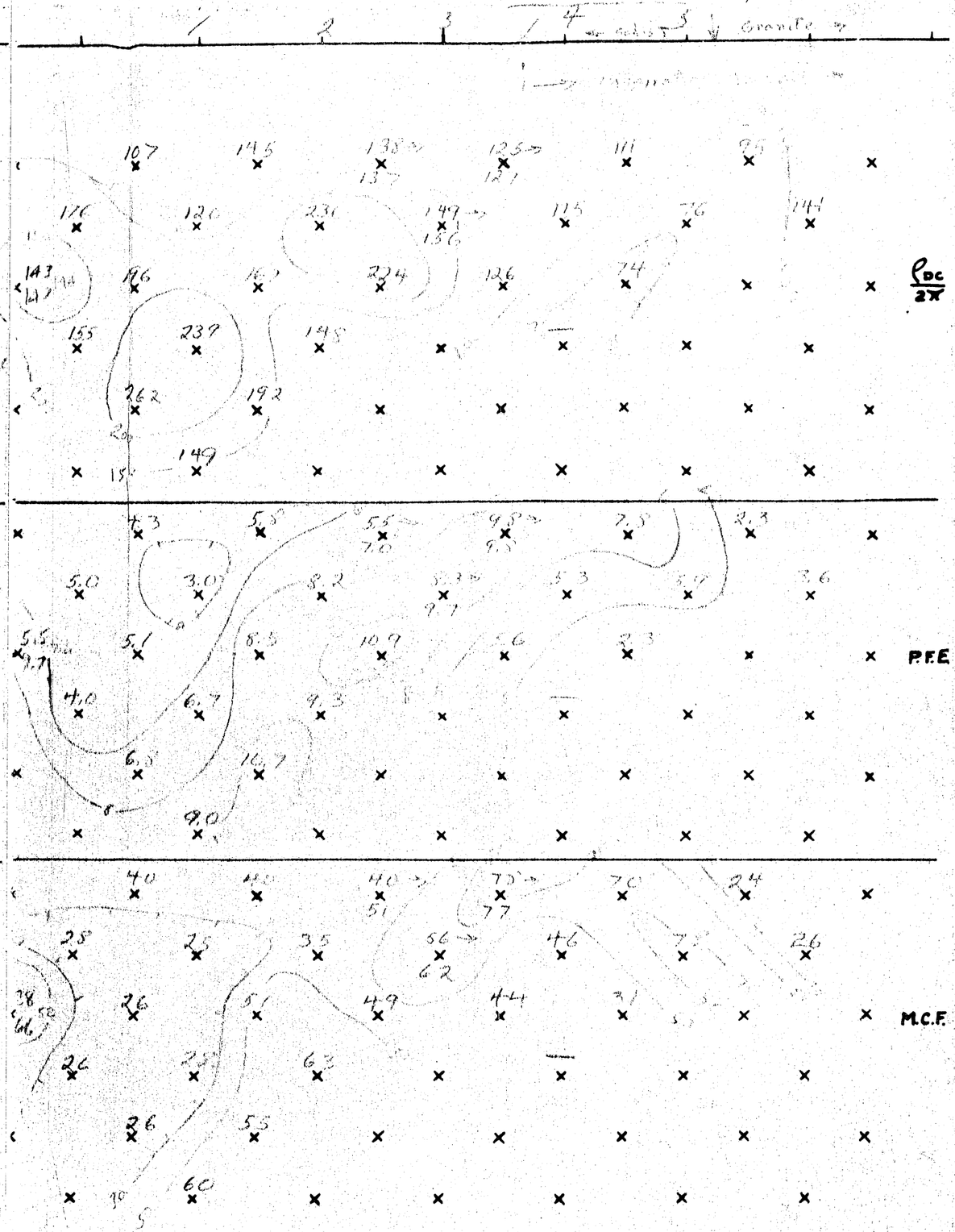
5/67

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING



AREA Kayser Gibson LINE 13 and a = 100' SCALE: 1" = 100' DATE:

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING N



Kayser-Gibson LINE 13 and a = 100' SCALE: 1" = 100' DATE:

Wiedowitt

11/70

INDUCED POLARIZATION AND

RESISTIVITY SURVEY

GIBSON MINE PROPERTY

GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

PROJECT 0043

mining
geophysical surveys

TABLE OF CONTENTS

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SURVEY PROCEDURE	2

ACCOMPANYING THIS REPORT:

1 PLAN MAP

3 PROFILES

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2 COPIES - ELLIOT

INDUCED POLARIZATION AND
RESISTIVITY SURVEY
GIBSON MINE PROPERTY
GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

INTRODUCTION:

During October 8 through October 16, 1970, an induced polarization and resistivity survey was performed on the titled property. The field work was under the direction of James B. Parker, technician for Mining Geophysical Surveys.

Previous IP and resistivity surveys in the area of the Gibson Mine have indicated weak to moderate response both near surface and extending to depth. At the suggestion of C. L. Elliot, consulting geophysicist, detailed studies in a NW-SE'ly direction in the immediate area of the Gibson Mine were run to further describe the subtle features indicated by the previous work.

A weak to moderate response is observed in the NW half of three lines surveyed. This response increases slightly with depth in a gradational manner. The cause of this deep response is not apparent. We have noted moderate response associated with zones of specular hematite in the Pinal schist. The hematite occurrences are limited to fracture zones and not as widespread

at surface as this broad feature at depth suggests.

A near-surface response of 30 ms apparent occurs as a local feature on Line KY3 in the vicinity of electrodes C_2 and C_3. Hematite is particularly noticeable along a fracture (?) zone that forms a drainage to Mineral Creek from south of the Gibson Mine. The local response feature on Line 3 occurs at the head of this drainage and suggests a relationship between the hematite-stained zone and the IP response.

We are instructed that a detailed interpretation and recommendations pertaining to this survey are to be submitted by C. L. Elliot.

SURVEY PROCEDURE:

The induced polarization and resistivity measurements are made in the time-domain mode of operation. A conventional system of measurements which uses a time cycle of 2.0 seconds "on" and 2.0 seconds "off" - 2.0 seconds "on" and 2.0 seconds "off" (current reversed) was employed.

The commencement of the measurement of the secondary voltage is delayed by 0.45 seconds to avoid coupling and other transient effects. The integration is performed during the period from 0.45 seconds to 1.10 seconds after the cessation of current.

To conform to a standard presentation, the integral time constant is adjusted to give induced polarization readings equivalent to those obtained with transmitter cycles of 3.0 seconds "on" and 3.0 seconds "off", with integration of the secondary voltage during the first second of the "off" period.

Throughout the survey a conventional inline dipole-dipole array of seven electrodes was used with dipole lengths (a) of 1000'. Measurements were made for dipole separation factors (n) of 1 to 6. The potential dipoles occupy positions on both sides of the current-electrode spread, thereby obtaining a total line coverage of approximately nine times the dipole length for a standard line of seven electrodes.

Apparent polarization response is in units of millivolt-seconds per volt, or milliseconds (ms), and apparent resistivity is in units of ohmmeters. The data from each line is plotted in quasi-section to facilitate presentation of data at all spacings used.

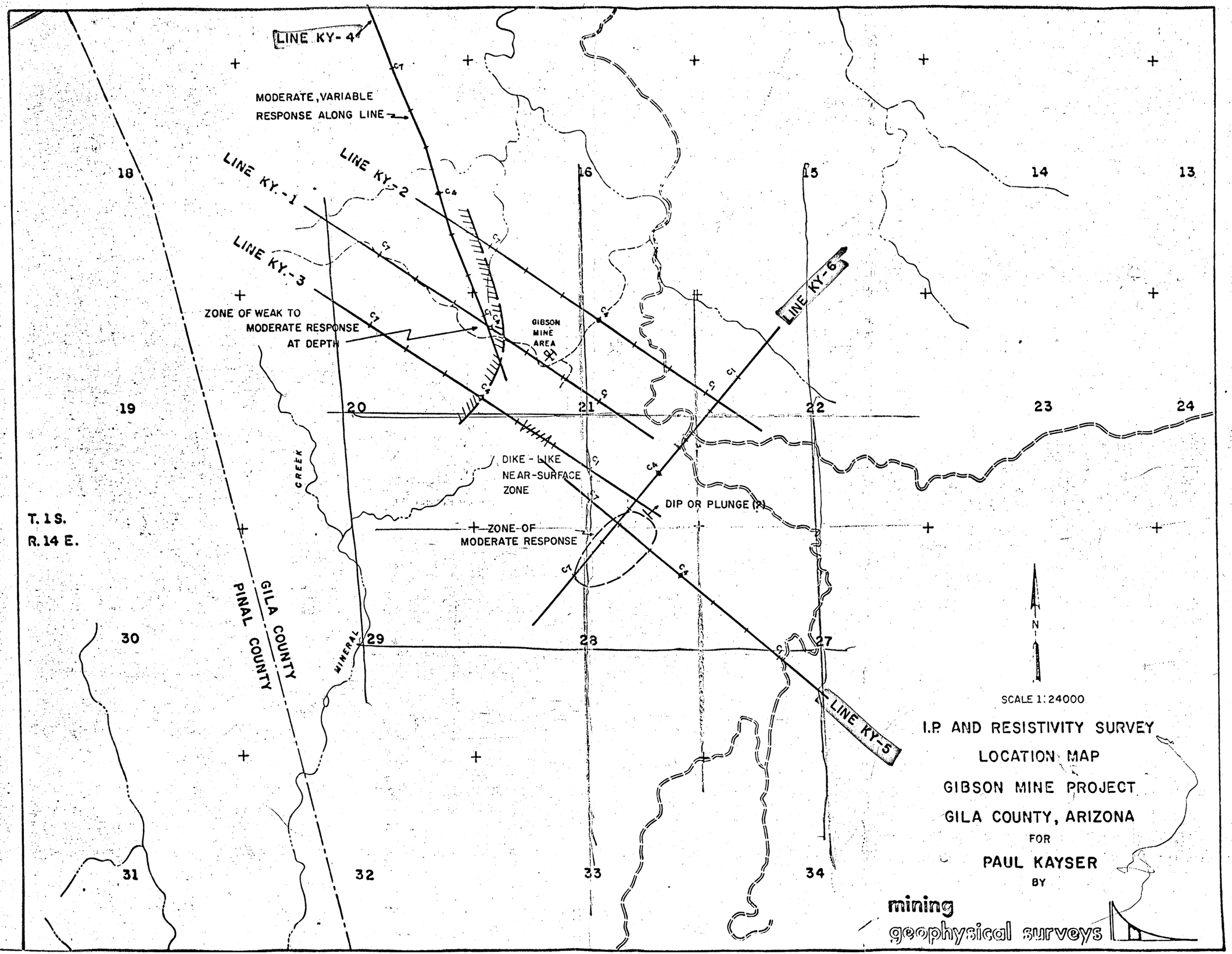
Respectfully submitted,

James B. Parker
Technician

W. Gordon Wieduwilt
Geophysicist

Tucson, Arizona

November 3, 1970


LINE KY-4
MODERATE, VARIABLE
RESPONSE ALONG LINE
LINE KY-1
LINE KY-2
LINE KY-3
ZONE OF WEAK TO
MODERATE RESPONSE
AT DEPTH
GIBSON
MINE
AREA
LINE KY-6
DIKE - LIKE
NEAR-SURFACE
ZONE
DIP OR PLUNGE (?)
ZONE OF
MODERATE RESPONSE
T. 1 S.
R. 14 E.
GILA COUNTY
PINAL COUNTY
MINERAL
CREEK
LINE KY-5
18
19
20
21
22
23
24
16
15
14
13
30
29
28
27
31
32
33
34
N
SCALE 1:24000
I.P. AND RESISTIVITY SURVEY
LOCATION MAP
GIBSON MINE PROJECT
GILA COUNTY, ARIZONA
FOR
PAUL KAYSER
BY
mining
geophysical surveys

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

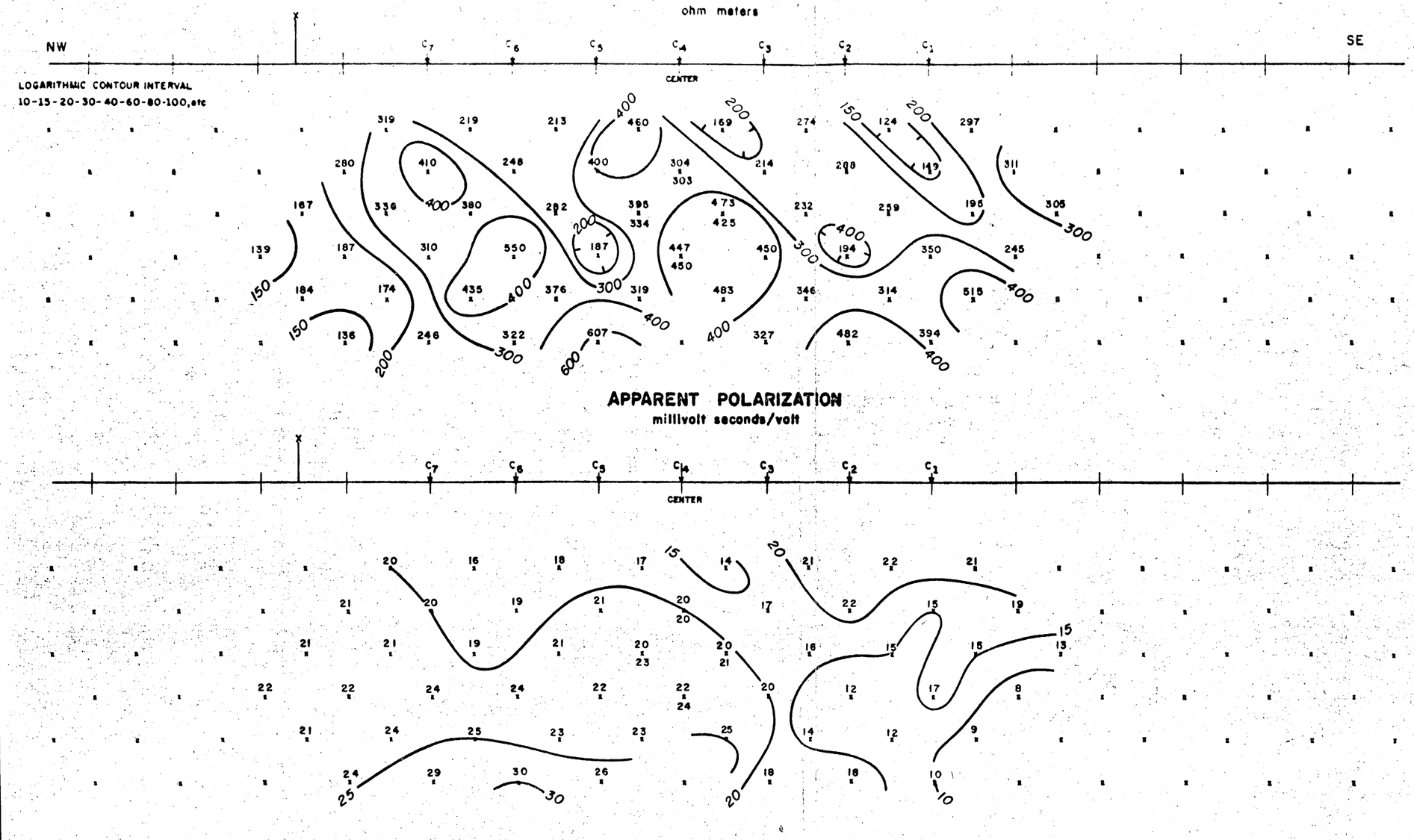
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

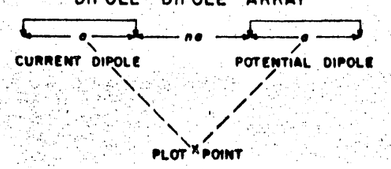
PAUL KAYSER

APPARENT RESISTIVITY

ohm meters



DIPOLE DIPOLE ARRAY



LINE: . . . KY. 1

LOOKING . . . . NE

DIPOLE LENGTH: . . .1000'

DATE: OCT., 9/1970

LEGEND

FENCE. . . . . .

PIPELINE. . . . . .

POWERLINE. . . . .

ROAD, RR.

mining geophysical surveys

0043

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

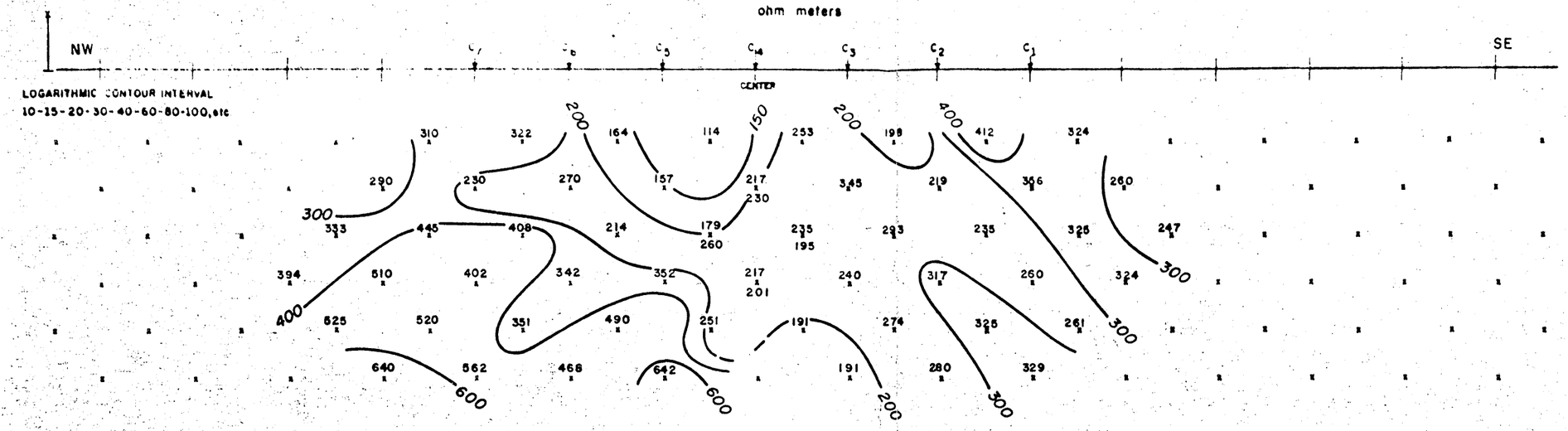
GIBSON MINE PROJECT - GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

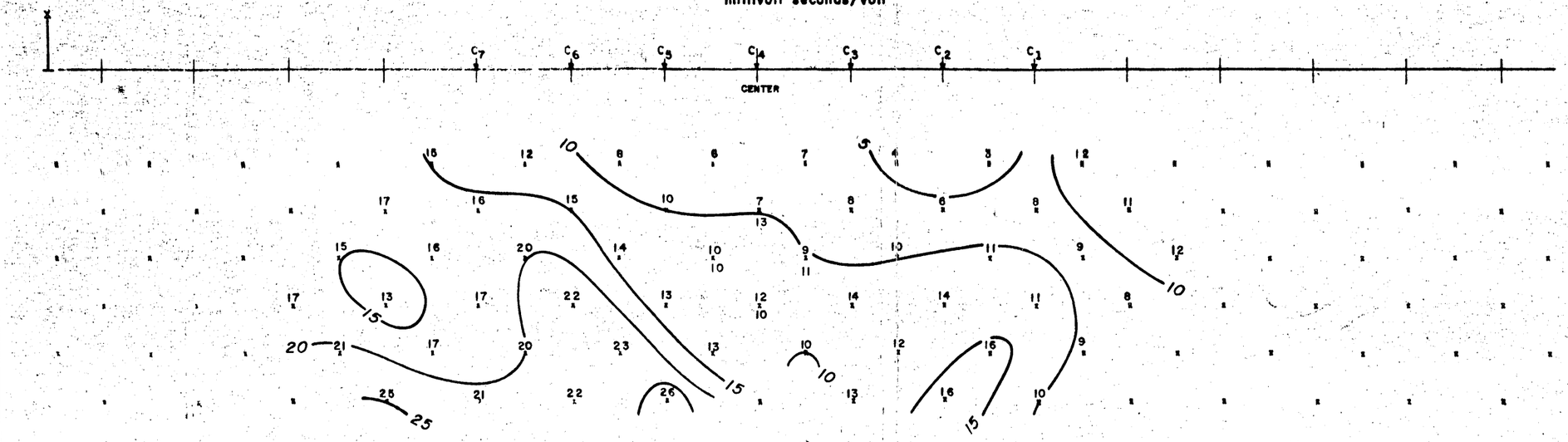
APPARENT RESISTIVITY

ohm meters

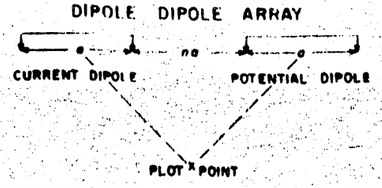


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . . KY. 2

LOOKING: . . . . NE

DIPOLE LENGTH: . . . 1000'

DATE: OCT., 13/1970

LEGEND

FENCE . . . . . .

PIPELINE . . . . .

POWERLINE . . . .

ROAD, RR.

mining geophysical surveys

0043

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

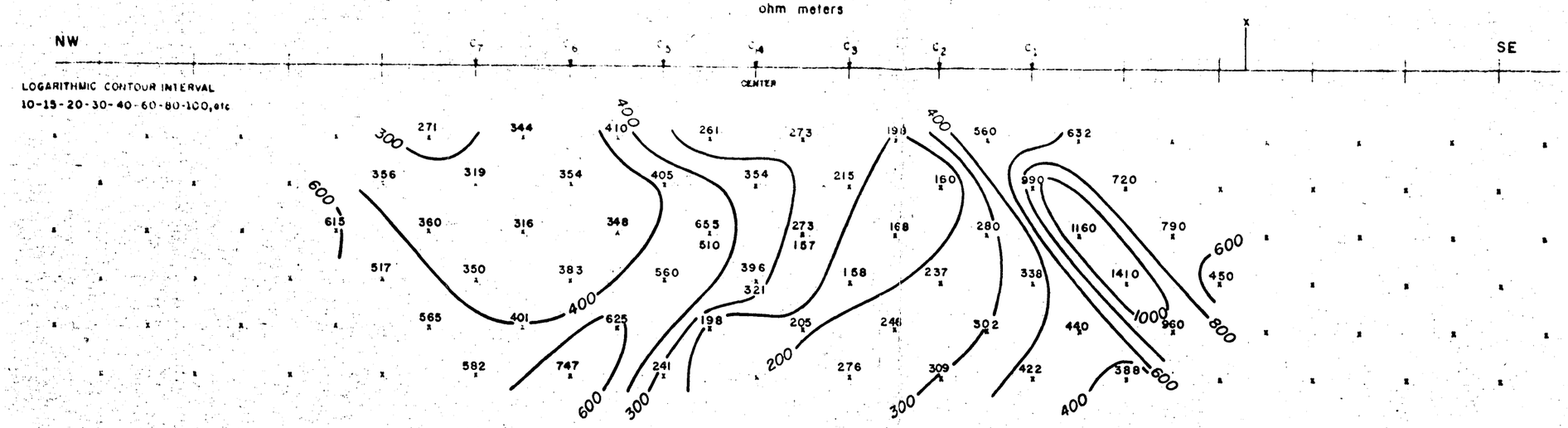
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

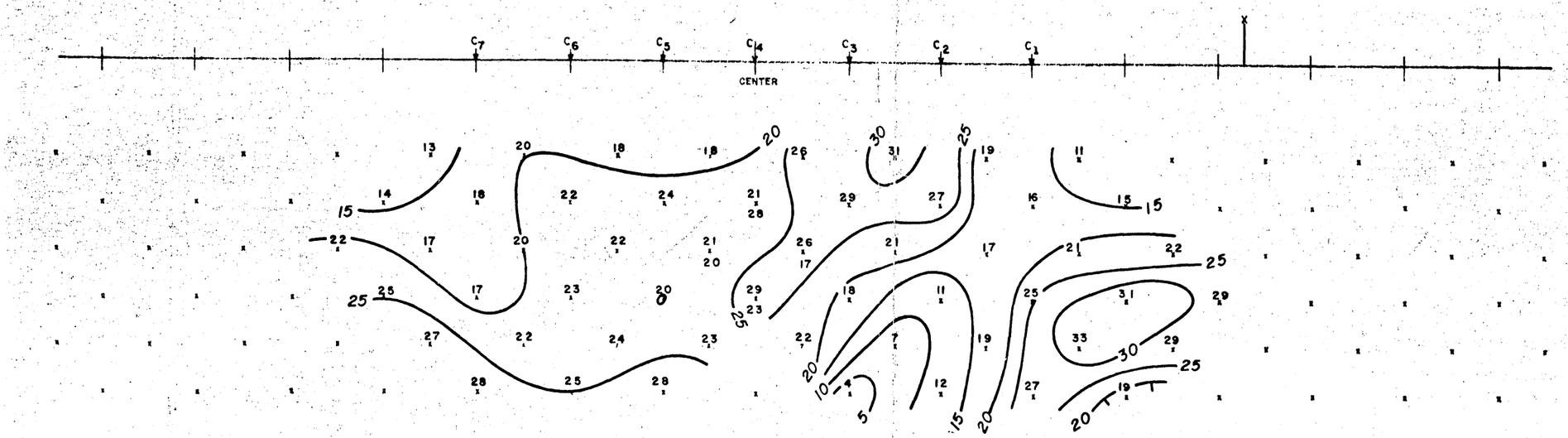
APPARENT RESISTIVITY

ohm meters

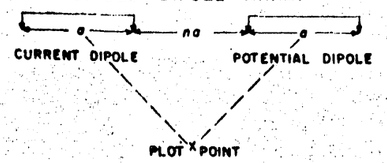


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . KY. 3

LOOKING: . . . . NE

DIPOLE LENGTH: . . . . 1000'

DATE: OCT., 15/1970

LEGEND

FENCE . . . . . .

PIPELINE . . . . . .

POWERLINE . . . .

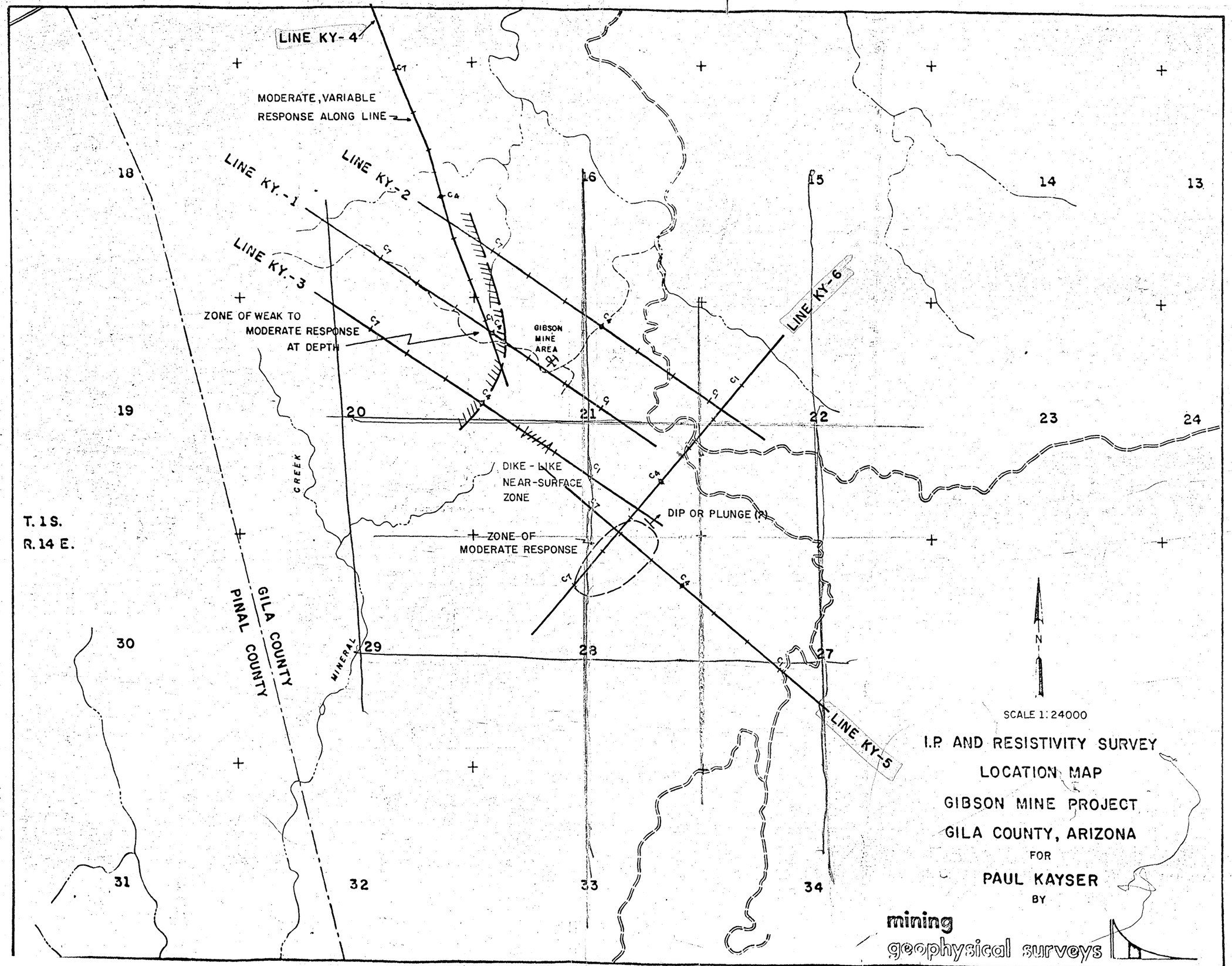
ROAD, RR.

mining geophysical surveys

0043

Wiedurwit

1/71


LINE KY-4
MODERATE, VARIABLE
RESPONSE ALONG LINE
LINE KY.-1
LINE KY-2
LINE KY.-3
ZONE OF WEAK TO
MODERATE RESPONSE
AT DEPTH
GIBSON
MINE
AREA
LINE KY-6
DIKE - LIKE
NEAR-SURFACE
ZONE
DIP OR PLUNGE (?)
ZONE OF
MODERATE RESPONSE
T. 1 S.
R. 14 E.
GILA COUNTY
PINAL COUNTY
MINERAL CREEK
LINE KY-5
18
19
20
21
22
23
24
13
14
15
16
27
28
29
30
31
32
33
34
N
SCALE 1:24000
I.P. AND RESISTIVITY SURVEY
LOCATION MAP
GIBSON MINE PROJECT
GILA COUNTY, ARIZONA
FOR
PAUL KAYSER
BY
mining
geophysical surveys

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

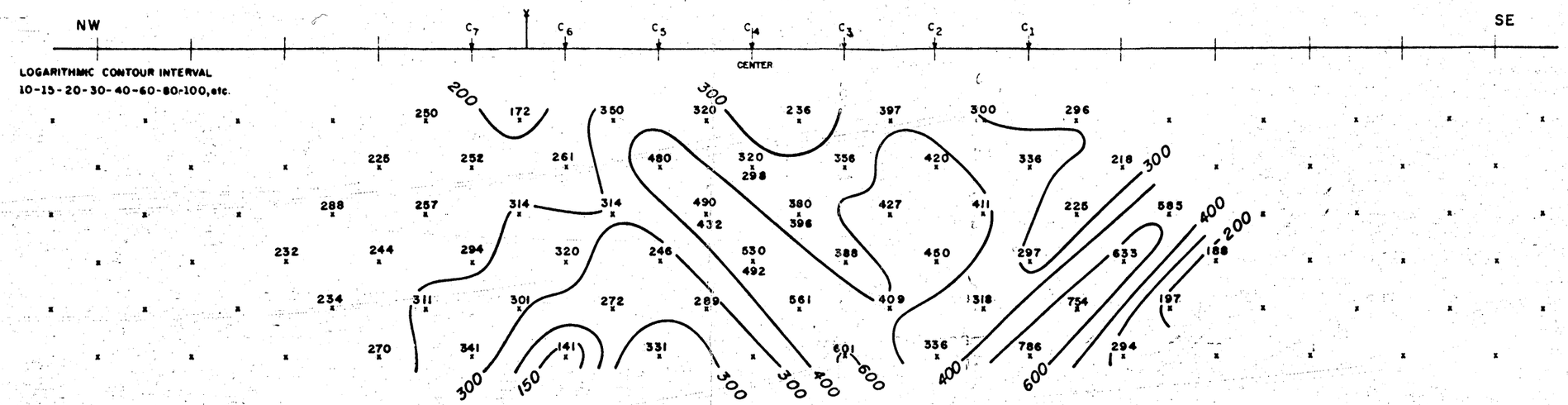
GIBSON MINE PROJECT - GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

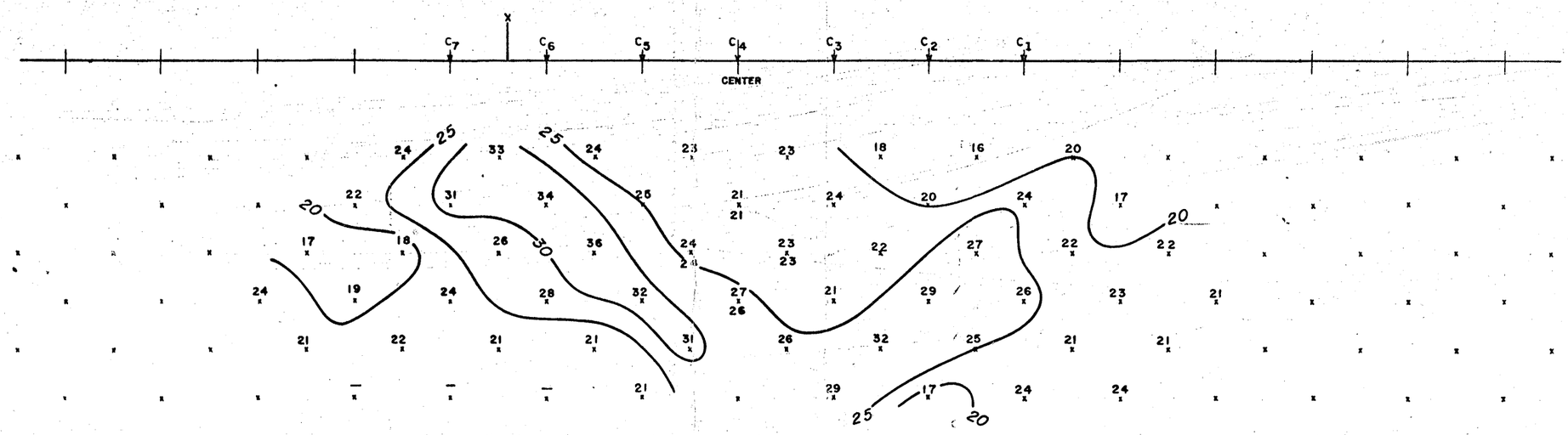
APPARENT RESISTIVITY

ohm meters

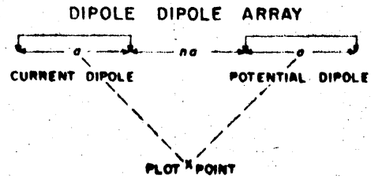


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . KY-4

LOOKING: . . . . NE

DIPOLE LENGTH: . . . 1000'

DATE: JAN., 20/1971

LEGEND

FENCE. . . . . .

PIPELINE . . . . . .

POWERLINE. . . . .

ROAD, RR.

mining geophysical surveys

0102

M.G.S.

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

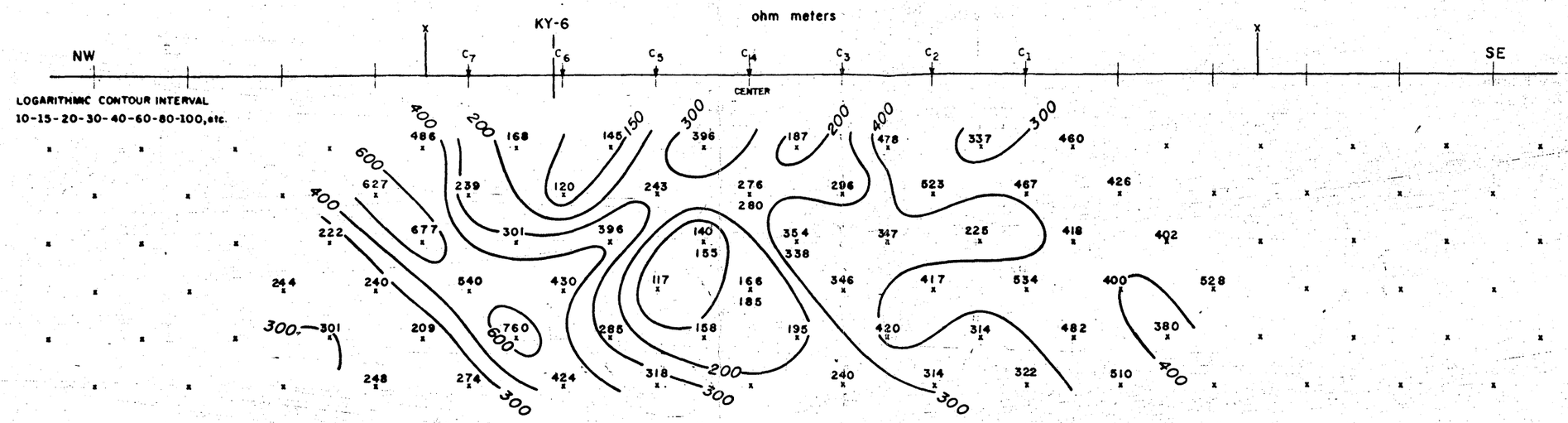
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

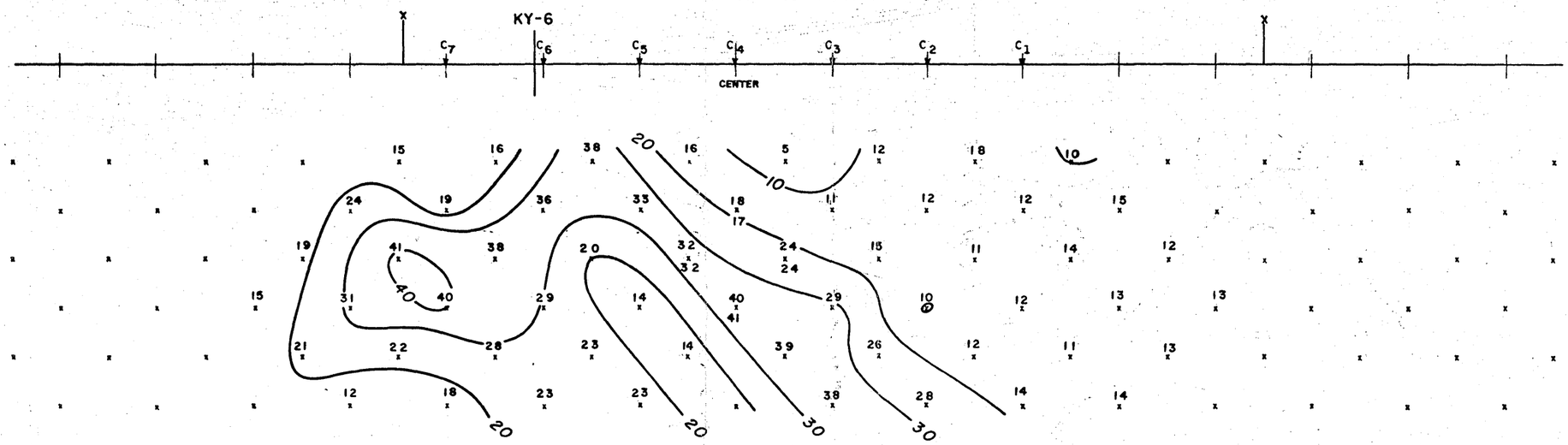
APPARENT RESISTIVITY

ohm meters

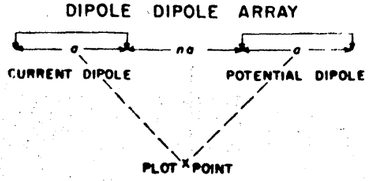


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE KY-5

LOOKING . . . . NE

DIPOLE LENGTH . . . . 1000'

DATE JAN.,26/1971

LEGEND

FENCE x

PIPELINE . . . . . ◊

POWERLINE . . . . T

ROAD, RR. ═══ ++++

mining geophysical surveys

0102

Elliot

3/71

ELLIOT GEOPHYSICAL COMPANY
Mining Geophysical Engineers
4653 EAST PIMA STREET TUCSON, ARIZONA 85712 TEL. (602) 793-2421

March 15, 1971 Ref: KY1E

Mr. Paul Kayser
Arizona Mining Properties, Inc.
1006 Main Street
Houston, Texas 77002

Dear Mr. Kayser:

Re: Gibson Mine Project

Please find enclosed my addendum report on the latest induced polarization-resistivity work performed in 1971 at the Gibson Mine project. Under separate cover I am sending you the original mylar for the interpretation overlay contained in the report. In addition, I am sending you a blowup of the topography for the Gibson Mine area at a scale of one inch equals 1000 feet. This is a blowup of the U.S.G.S. 7½ minute quadrangle, Pinal Ranch.

I have taken the liberty to send a copy of this report directly to Bob Franks and Dr. Paul C. Gilmour, and trust this meets with your approval.

Sincerely yours,

ELLIOT GEOPHYSICAL COMPANY

Charles L. Elliot

Charles L. Elliot

CLE:mc
Enclosure
Copy: Bob Franks ✓
Dr. P.C. Gilmour

AN ADDENDUM
REPORT
ON

AN INDUCED POLARIZATION-RESISTIVITY SURVEY

GIBSON MINE AREA

GILA COUNTY, ARIZONA

for

Mr. Paul Kayser

Arizona Mining Properties, Inc.

Houston, Texas

by

ELLIOT GEOPHYSICAL COMPANY
Mining Geophysical Engineers
4653 East Pima Street
Tucson, Arizona 85712

During the fall of 1970, Mining Geophysical Surveys under the supervision of W. Gordon Wieduwilt performed some induced polarization-resistivity survey work in the Gibson area. In addition and prior to this, during 1966 and 1967, Heinrichs Geoexploration Company, Tucson, Arizona, also performed some induced polarization-resistivity survey work in the Gibson Mine area. McPhar Geophysics, Inc. performed induced polarization work in the latter part of 1968; and in the spring of 1970, Mining Geophysical Surveys also performed some additional survey work. This early work through the fall of 1970 was reviewed and reported on by Elliot Geophysical Company in the following report:

Report - An Induced Polarization-Resistivity Survey
Gibson Mine Area, Gila County, Arizona
for Mr. Paul Kayser
Arizona Mining Properties, Inc.
Houston, Texas
Elliot Geophysical Company, C. L. Elliot
November 21, 1970

In the above report two possible induced polarization zones of interest were noted, both developing off of the property of Arizona Mining Properties, Inc. as it existed at that time. An induced polarization trend appeared to be developing at depth off to the north of the Gibson Mine proper; and

a separate induced polarization feature was just recognizable to the south on two of the previous induced polarization-resistivity survey lines. At the time of the report of November 21, 1970, no attempt was made to pursue these two possible anomalous zones in that they were clearly developing off of the currently held property of Arizona Mining Properties, Inc.

Subsequent to this, and based on the recommendations of that report, Mr. Paul Kayser extended the land position of Arizona Mining Properties, Inc.; and as a result of this it was decided to pursue these two induced polarization anomalous zones in order to properly delineate them.

Mining Geophysical Surveys, Tucson, Arizona, performed this additional survey work in January and February, 1971. The survey was under the direction of field engineer Raymond M. Sadowski, geophysical engineer for Mining Geophysical Surveys. This survey consisted of three induced polarization-resistivity survey lines, one of which tested the zone to the north of the Gibson Mine; and two lines to test the anomalous zone to the south of the Gibson Mine area. These three survey lines were performed using a conventional inline dipole-dipole array with a basic dipole length of 1000 feet. Separations of the current and potential dipoles were realized from 1 to 6 times the basic dipole length of 1000 feet. This procedure gave rise to an approximate 9000 foot swath of data

per setup with electrical information to depths the order of 2000 feet.

Mining Geophysical Surveys employed a conventional technique of induced polarization measurements in the time domain mode of operation for the survey at the Gibson Mine Property. The time cycle of the transmitter current used in this survey consisted of alternate periods of two seconds on and two seconds off with consecutive on periods being of reversed polarity. The secondary potential voltage was then measured by an integration technique during the current off period. Integration of the secondary transient decay voltage was made from 0.45 second to 1.10 seconds after cessation of the transmitter on period. Resulting induced polarization data by this measuring technique is automatically converted to equivalent data measured with an apparent three seconds on three seconds off time period and with integration of the transient decay voltage for the first second of the off period. This is done in order to bring all data to a standard measuring technique as standardized by Newmont Exploration, Ltd. in the early days of development of the induced polarization method. Measurement of the secondary transient decay voltage is delayed to 450 milliseconds after cessation of the transmitter on period to avoid electromagnetic coupling effects which can be prevalent when low surface resistivities are encountered.

The addendum survey of the Gibson Mine area was performed in good order, and the data is of excellent caliber. The areas surveyed were in rugged topography with limited road accessibility; and as a consequence, the production was lower than standard and yet acceptable under the limits of topography and accessibility. All in all, the survey and production was of acceptable caliber.

Attached to this addendum report is an Interpretation Overlay Induced Polarization-Resistivity Data, Gibson Property, Gila County, Arizona, for Mr. Paul Kayser at a scale of 1" = 500 feet. On this attached Interpretation Overlay are shown the three survey lines surveyed by Mining Geophysical Surveys in 1971. These lines were designated KY-4 over the northern anomalous trend and lines KY-5 and KY-6 which are intersecting lines across the anomalous zone south of the Gibson Mine area. In addition on the attached Interpretation Overlay are shown the southeastern extremities of two of the previous lines in that the data from these two lines is pertinent to the devoloped anomalous zone. These previous lines shown in part on the attached Interpretation Overlay are line KY-3 surveyed by Mining Geophysical Surveys in 1970 and Heinrichs Geoexploration Company line 13 surveyed in the 1966-1968 era. For an outline of all of the other available induced polarization-resistivity lines and data the reader is referred to the previous report of Elliot Geophysical

Company dated November 21, 1970.

Pseudo-section plots of the raw induced polarization and resistivity data is contained in the final report of Mining Geophysical Surveys as follows:

Induced Polarization and Resistivity Survey
Gibson Mine Area, Gila County, Arizona
for Paul Kayser
Project 0102
Mining Geophysical Surveys
Raymond M. Sadowski and W. Gordon Wieduwilt
March 1, 1971

On the attached Interpretation Overlay are shown, in addition to the three lines surveyed by Mining Geophysical Surveys in 1971, the present approximate property boundary belonging to Arizona Mining Properties, Inc. Further to this is shown the outline of an induced polarization zone located south of the Gibson Mine proper and is the delineation of the supposed zone originally suggested in the data from Mining Geophysical Surveys line KY-3 and Heinrichs Geoexploration Company line 13. The two additional survey lines, lines KY-5 and KY-6 have delineated this zone adequately for followup exploration purposes.

This interesting induced polarization zone exists at or near

surface with depth extent and a decided indication of plunge to the east and southeast as shown by arrows on the attached Interpretation Overlay. The zone is of only moderate size measuring approximately 2000 feet by 3000 feet in horizontal extent. The depth extent is greater than 1000 feet, but there is a decided indication of a bottom to it. Therefore, the volume of this target zone is not too large, certainly not in terms of porphyry copper types of ore bodies. But in view of the higher grade mineralization of the Gibson Mine area, it is felt that this body may possibly have economic significance and interest. The induced polarization response of the zone is greater than 40 millivolt-seconds per volt which could be reflecting 3 to 5 percent sulfide mineralization maximum if in effect all of the response is due solely to sulfide mineralization. This is normally not the case, as many other minerals and structures can give rise to false induced polarization anomalous effects. Consequently, the interpreted 3 to 5 percent sulfide mineralization is a maximum figure.

Based on surface geology and the resistivity data, it would seem pertinent that this zone lies totally within the Pinal schist similar to the situation in the immediate vicinity of the Gibson Mine. However, from an induced polarization point of view, the response of this small zone is higher than the response noted at the Gibson Mine area which was the order

of 25 to 35 millivolt seconds per volt. Consequently, this zone has the highest induced polarization response of any of the area that has been surveyed in the Gibson Mine region.

This body is not contiguous with the Gibson Mine proper in that there is a distinct electrical hiatus between this zone and the Gibson Mine zone. However, it is reasonable conclusion that this zone probably bears some genetic relationship to the mineralization at the Gibson Mine. On the attached Interpretation Overlay are shown two small drill holes located in the southeastern edge of the interpreted zone. It has been reported that these holes are short claim location holes drilled by the Inspiration Copper Company several years ago. Nothing is known about the results of this drilling and whether they were put down to test an induced polarization zone similar to the one interpreted here. In no way do I feel that this test work or location work by Inspiration negates the potentiality of this zone. This zone is of possible significance and worthy of one drill hole to test its contained sulfide mineralization. The recommended drill site is shown on the attached Interpretation Overlay and at the intersection of lines KY-5 and KY-6.

Line KY-4, also surveyed by Mining Geophysical Surveys in 1971, was located to test a possible extention of the Gibson anomalous zone to the north and beyond the former property

boundary of Arizona Mining Properties, Inc. This line was located along the eastern edge of the northern trend due to poor accessibility in this region. However, the line is ample to test the possible extention to the north of the Gibson Mine anomalous feature. The data from this line does not suggest any appreciable induced polarization response developing northward; and therefore no economic significance to this area is noted. T. Clary, geologist for Occidental Minerals Corporation, has pointed out the economic possibilities going northward towards the granite porphyry and the Schultz granite. However, the geophysical data at hand does not suggest that any zone is developing to the north of any economic significance. Consequently no further work was performed in the north zone nor is any additional work recommended at this time.

In summary, the survey work utilizing induced polarization and resistivity methods performed by Mining Geophysical Surveys in 1971 consisted of three survey lines. Line KY-4 was laid out to test a possible northward extension of the Gibson Mine induced polarization zone as developed in the previous report of Elliot Geophysical Company of November 21, 1970. This line has negated any further economic significance in a northward direction, and no further work is contemplated or recommended to the north.

Further to this, two additional lines by Mining Geophysical Surveys, line KY-5 and KY-6 have developed and delineated the induced polarization responsive zone previously noted south of the Gibson Mine. A small target area has resulted which has the highest induced polarization response of any zone in the Gibson area surveyed to date and deserves followup work. A drill hole to test this feature has been recommended; and at this writing this drill hole has been collared and in progress. No further geophysical work is comtemplated or recommended over this zone as it apparently is completely delineated and any further expenditures should be put to drill testing of this feature to determine its possible source and sulfide mineralization content. The survey work by Mining Geophysical Surveys in 1971 has finalized the Gibson Mine area; and no further geophysical work of any kind in the Gibson Mine area or surrounding locals is recommended or contemplated.

Respectfully submitted,

ELLIOT GEOPHYSICAL COMPANY

Charles L. Elliot

Charles L. Elliot

March 6, 1971
Tucson, Arizona

Attachment: Interpretation Overlay
Distribution: Paul Kayser
Paul C. Gilmour
Bob Franks

Wiedlwolf

4/72

INDUCED POLARIZATION AND RESISTIVITY SURVEY GIBSON MINE AREA GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

mining
geophysical surveys

INDUCED POLARIZATION AND

RESISTIVITY SURVEY

GIBSON MINE AREA

GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

PROJECT 0207

mining
geophysical surveys

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DETAILS OF THE DATA	2

ACCOMPANYING THIS REPORT:

1 PLAN MAP

4 PROFILES

DISTRIBUTION:

1) Original: Paul Kayser, Houston

2) 2 cc: Bob Franks, Globe

3) 1 cc: Paul Gilmour, Tucson

4) 1 cc: C. L. Elliot, Tucson

INDUCED POLARIZATION AND
RESISTIVITY SURVEY
GIBSON MINE AREA
GILA COUNTY, ARIZONA
FOR
PAUL KAYSER

INTRODUCTION:

During the period March 1 through March 16, 1972, an induced polarization and resistivity survey was performed on the titled property. The field survey was under the direction of John J. Gurney, technician for Mining Geophysical Surveys. Line layout and final interpretation are the responsibilities of C. L. Elliot, consulting geophysicist to Kayser.

These four lines further delineate weakly anomalous trends similar to those encountered on previous surveys. No significant induced polarization response trends are evident in the new data.

SURVEY PROCEDURE:

The induced polarization and resistivity measurements are made in the time-domain mode of operation. A conventional system of measurements which uses a time cycle of 2.0 seconds "on" and 2.0 seconds "off" - 2.0 seconds "on" and 2.0 seconds "off" (current reversed) was employed.

The commencement of the measurement of the secondary voltage is delayed by 0.45 seconds to avoid coupling and other transient effects. The integration is performed during the period from 0.45 seconds to 1.10 seconds after the cessation of current.

To conform to a standard presentation, the integral time constant is adjusted to give induced polarization readings equivalent to those obtained with transmitter cycles of 3.0 seconds "on" and 3.0 seconds "off", with integration of the secondary voltage during the first second of the "off" period.

Throughout the survey a conventional inline dipole-dipole array of seven electrodes was used, with dipole length "a" of 1000'. Measurements were made for dipole separation factors "n" of 1 to 6. The potential dipoles occupy positions on both sides of the current-electrode spread, thereby obtaining a line coverage of approximately nine times the dipole length for a standard line of seven electrodes. The total length of line is determined by the number of spreads or additional current electrodes used.

Apparent polarization response is in units of millivolt-seconds per volt, or milliseconds (ms), and apparent resistivity is in units of ohmmeters. The data from each line is plotted in quasi-section to facilitate presentation of data at all spacings used.

BRIEF DESCRIPTION OF DATA:

The following brief description of the data is in no way intended to modify or rescind the final interpretation of C. L. Elliot.

Line KY-7

A moderate response is evident between C_2 and C_3, but due to the asymmetry of the data the shape of the source is rather obscure. A shallow dip to the SE might be inferred. A range fence crosses the line at numerous points and may have some effect on the IP data.

Lines KY-8 and KY-9

No significant response is evident on these lines although a weak dike-like zone is located between C_3 and C_4 on KY-8.

Line KY-10

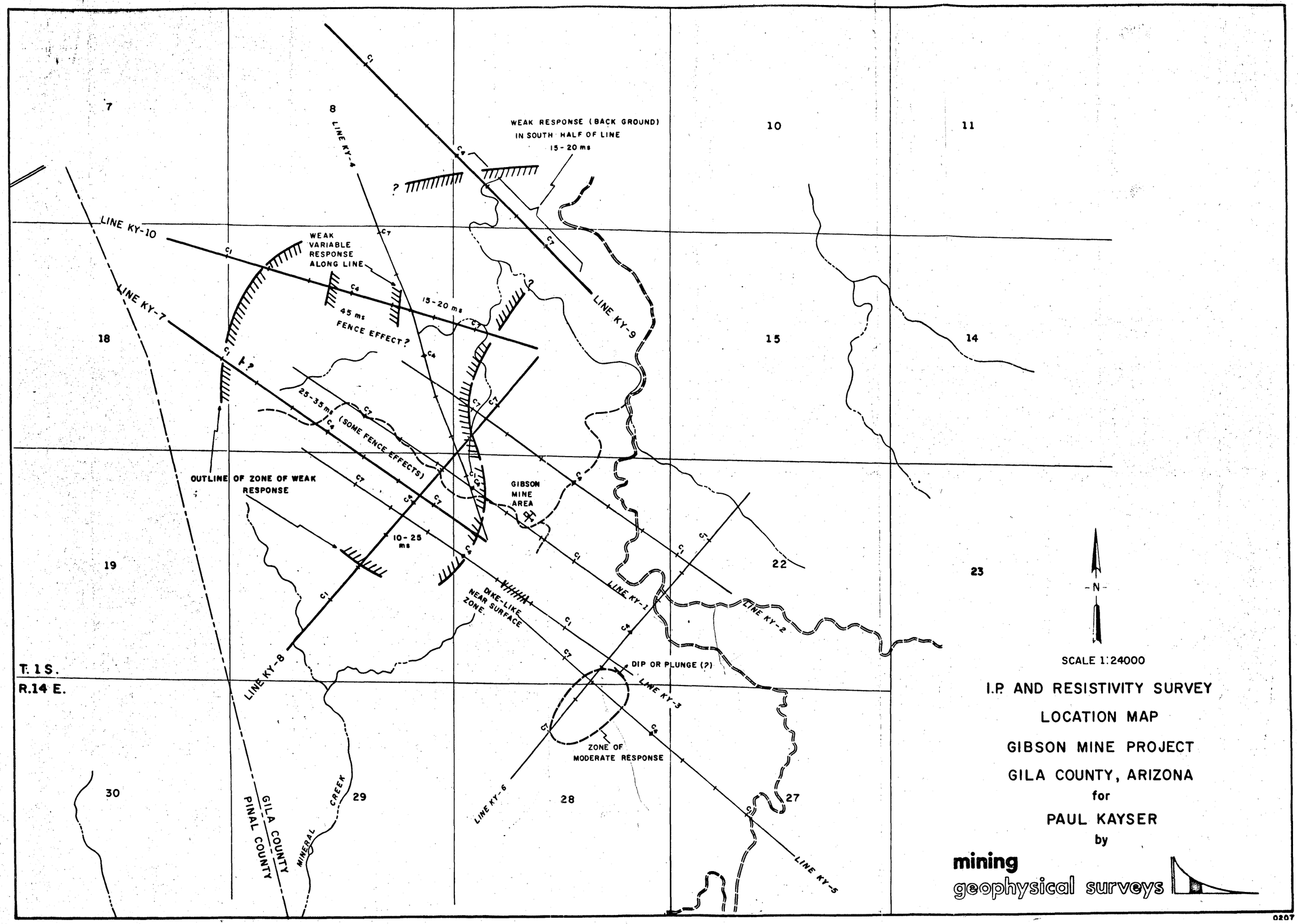
A feature similar to that seen on Line KY-7, but lacking any dip character, is evident around C_4. A broader zone of weak response extends to the west of the feature.

Apparent resistivities throughout the lines range from 100 ohmmeters to 1000 ohmmeters. With the exception of Line KY-9, where a narrow resistive dike is evident between C_5 and C_6, the resistivities present a complex picture possibly typical of the Pinal schist and intruded Schultz granite.

Respectfully submitted,

James B. Fink
Geophysicist

April 4, 1972
Tucson, Arizona



I.P. AND RESISTIVITY SURVEY

LOCATION MAP

GIBSON MINE PROJECT

GILA COUNTY, ARIZONA

for

PAUL KAYSER

by

mining geophysical surveys

0207

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

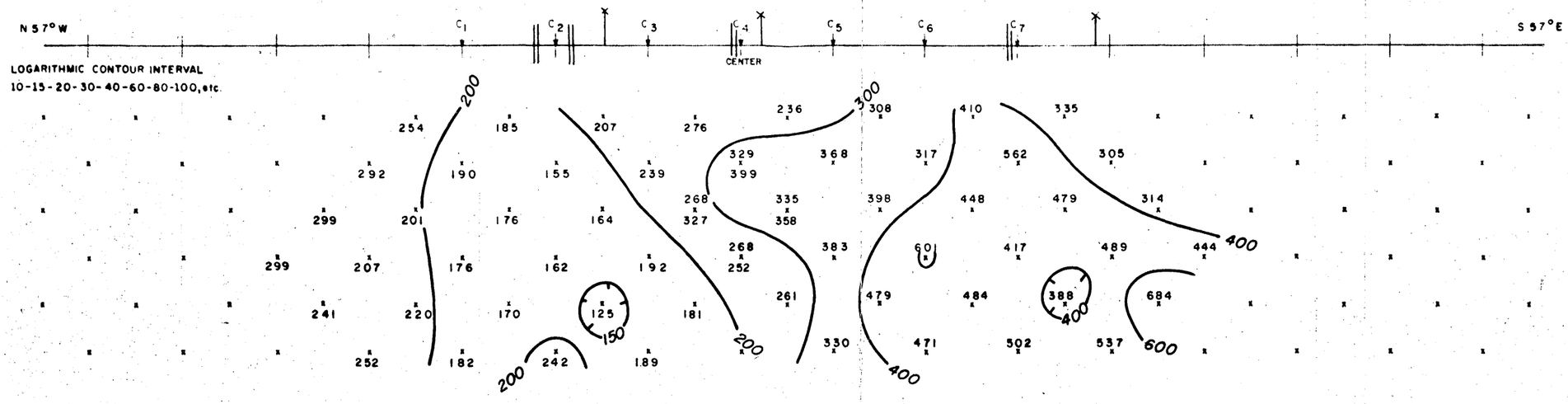
GIBSON PROJECT, GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

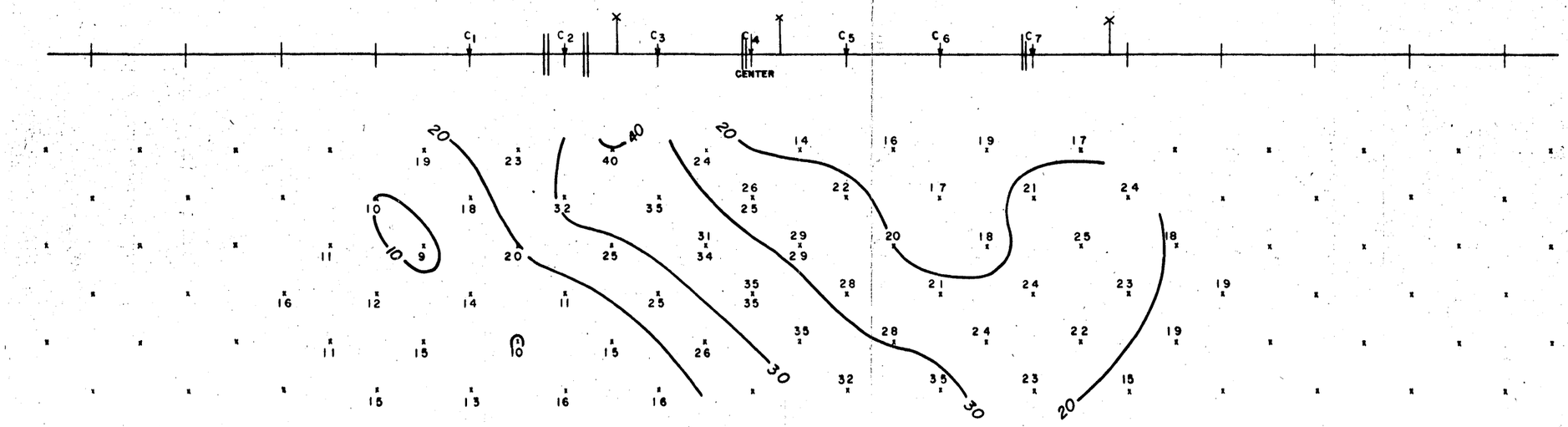
APPARENT RESISTIVITY

ohm meters

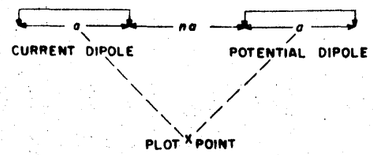


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: KY-7

LOOKING: NORTHERLY

DIPOLE LENGTH: 1000'.

DATE: MAR 13, 1972

LEGEND

FENCE

PIPELINE

POWERLINE

ROAD, RR.

mining geophysical surveys

M.G.S.0207

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

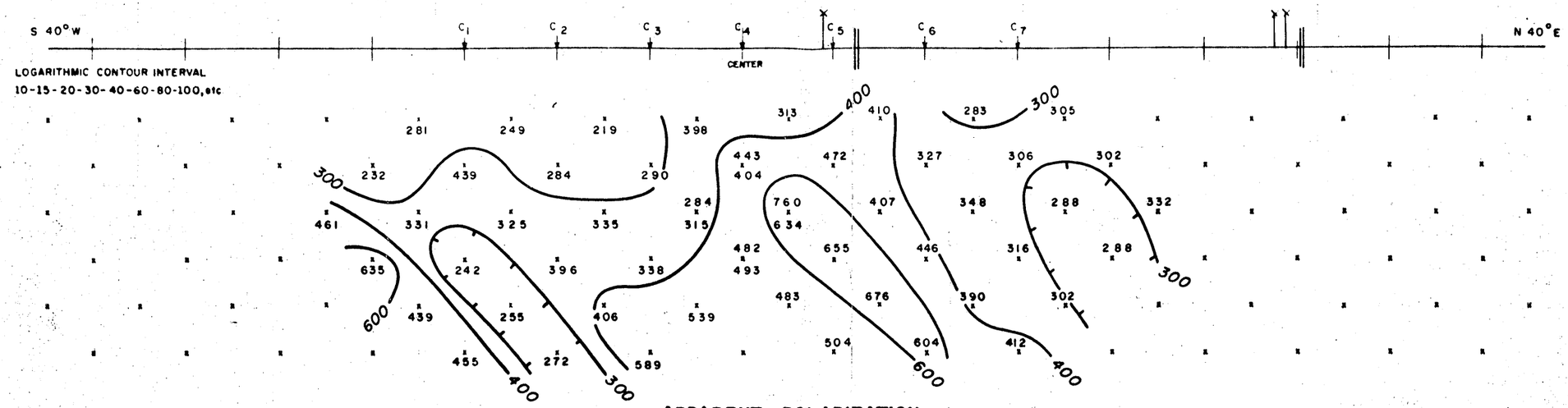
GIBSON PROJECT, GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

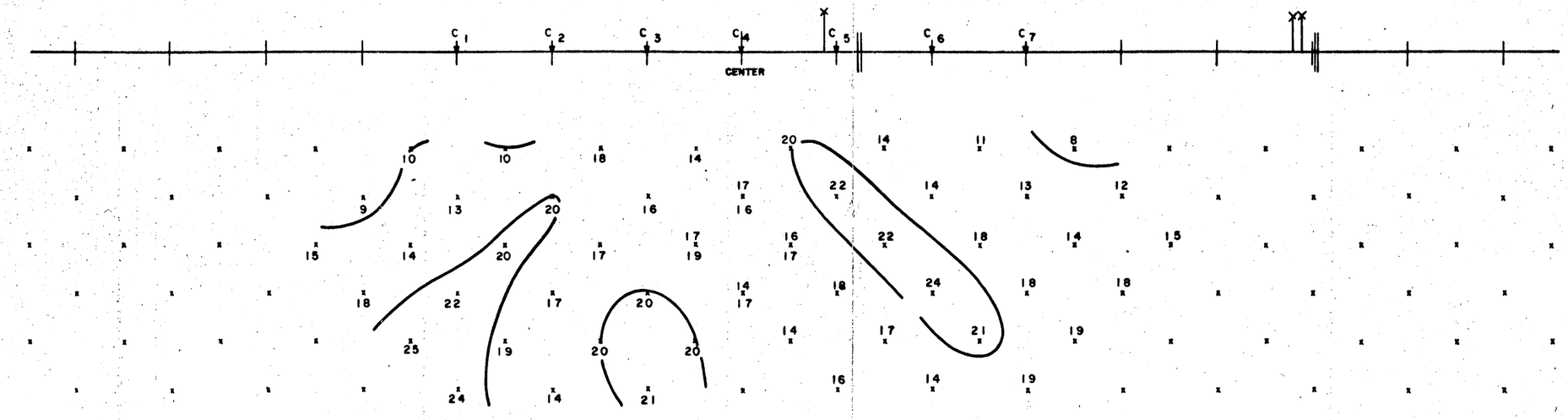
APPARENT RESISTIVITY

ohm meters

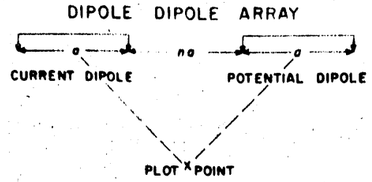


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: KY - 8

LOOKING: NORTHWEST

DIPOLE LENGTH: 1000'.

DATE: MAR 16, 1972

LEGEND

FENCE

PIPELINE

POWERLINE

ROAD, RR.

mining
geophysical surveys

M.G.S. 0207

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

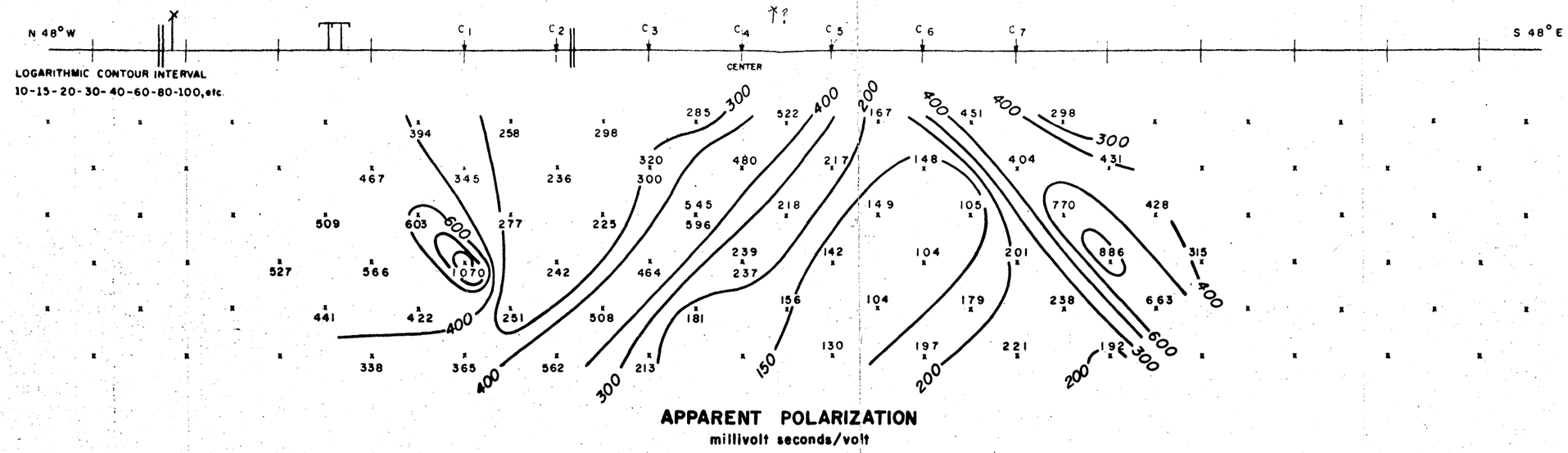
GIBSON PROJECT, GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

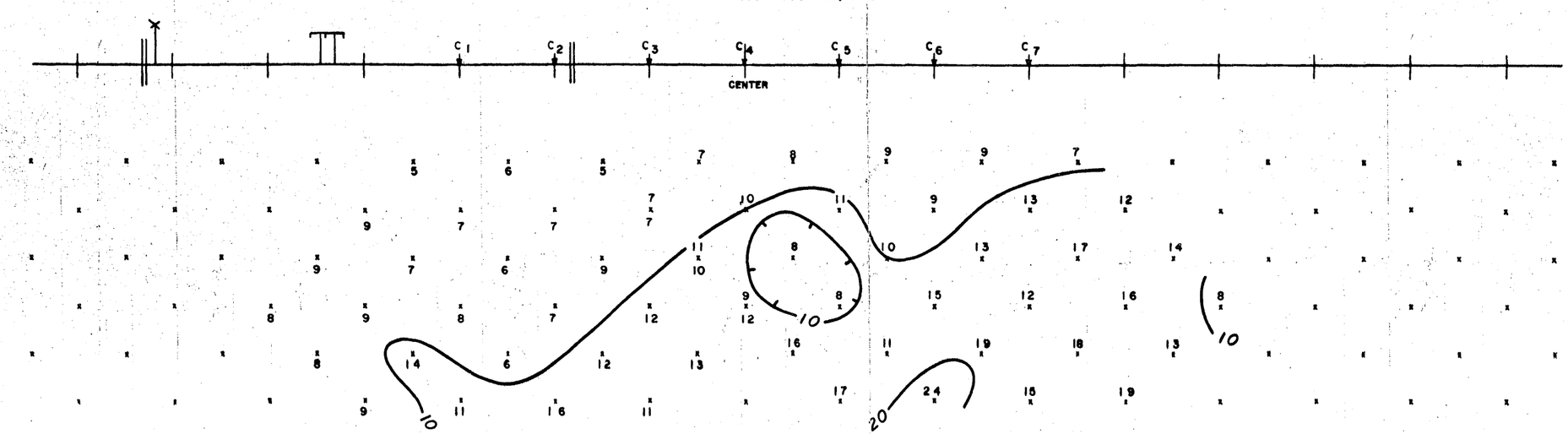
APPARENT RESISTIVITY

ohm meters

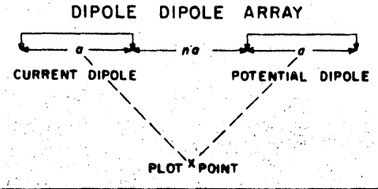


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: KY - 9

LOOKING NORTH EAST

DIPOLE LENGTH: 1000'

DATE: MAR 8, 1972

LEGEND

FENCE

PIPELINE

POWERLINE

ROAD, RR.

mining
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M.G.S.0207

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

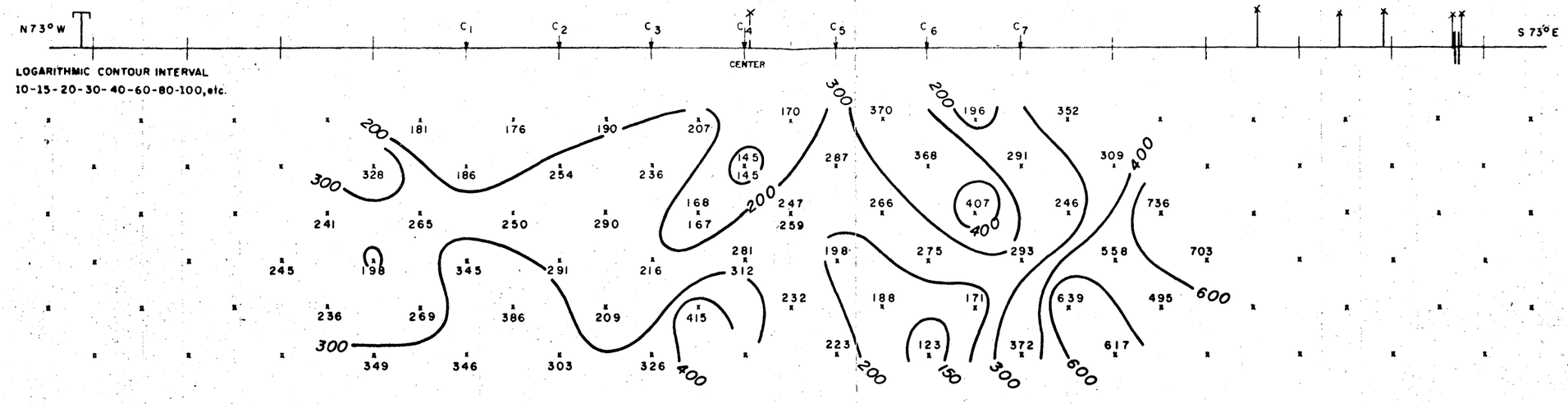
GIBSON PROJECT, GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

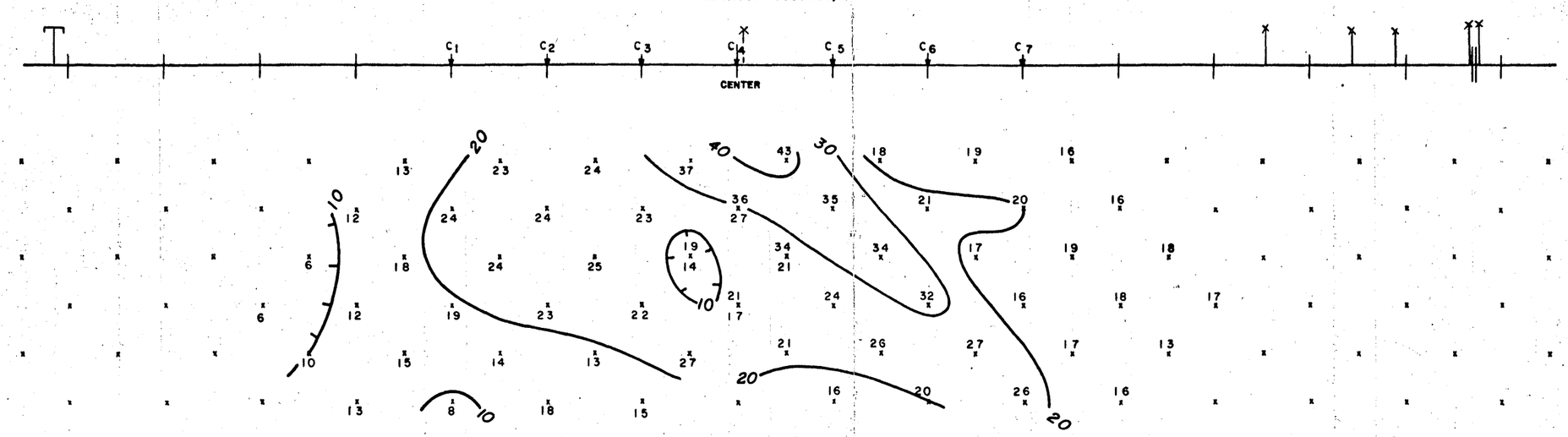
APPARENT RESISTIVITY

ohm meters

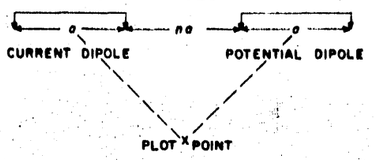


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: KY - 10

LOOKING NORTHERLY.

DIPOLE LENGTH: 1000'.

DATE: MAR 4, 1972.

LEGEND

FENCE

PIPELINE

POWERLINE

ROAD, RR.

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geophysical surveys

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

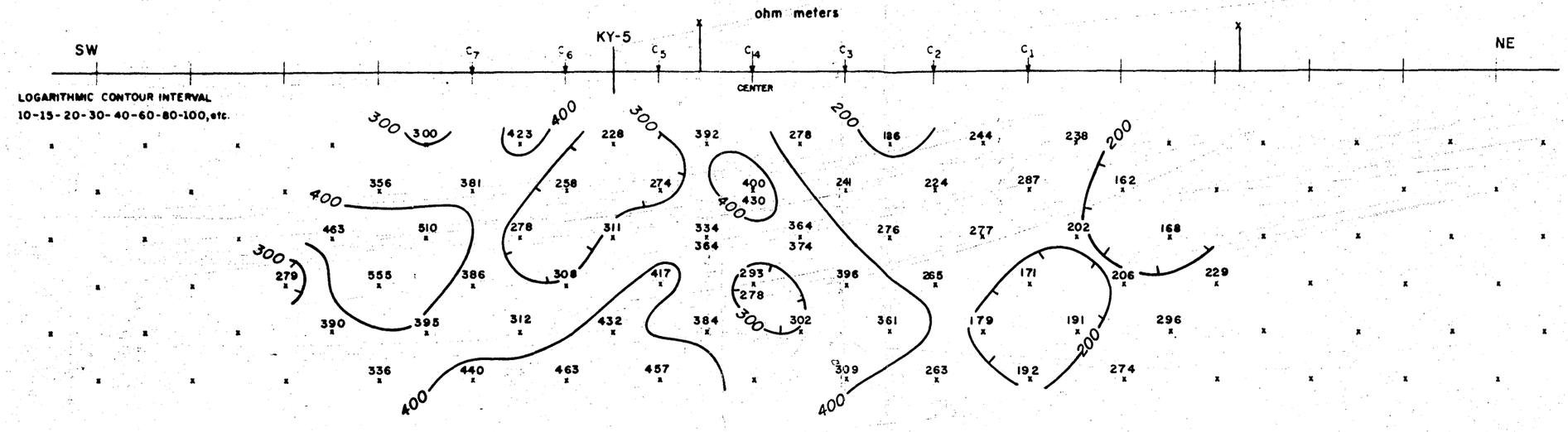
GIBSON MINE PROJECT – GILA COUNTY, ARIZONA

FOR

PAUL KAYSER

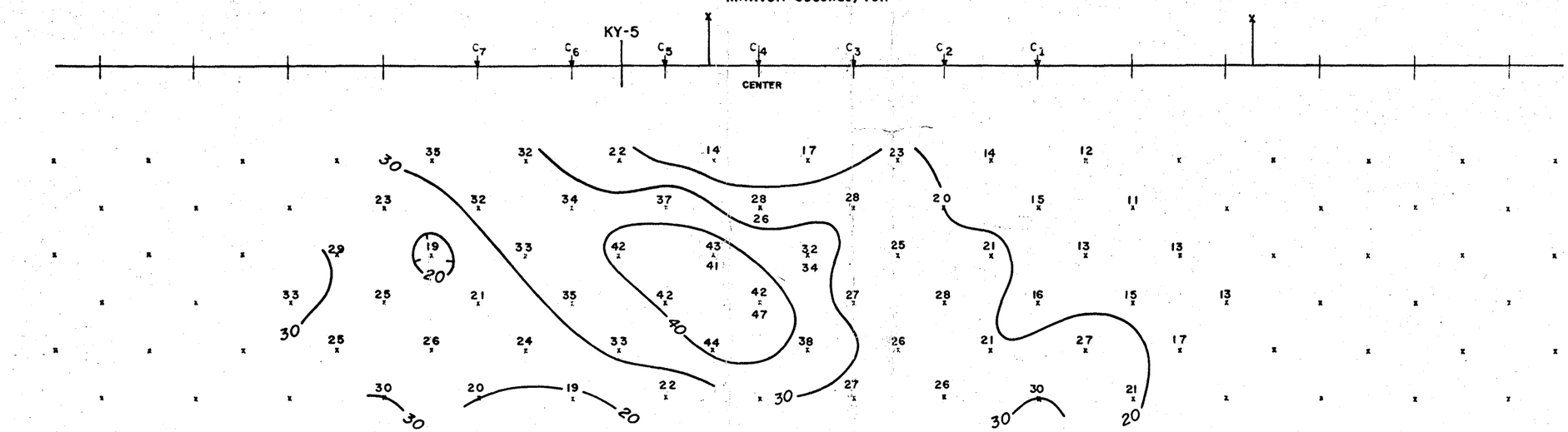
APPARENT RESISTIVITY

ohm meters

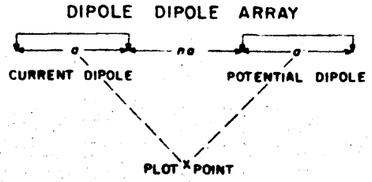


APPARENT POLARIZATION

millivolt seconds/volt



DIPOLE DIPOLE ARRAY



LINE: . . . KY-6

LOOKING: . . . . NW

DIPOLE LENGTH. . . . . 1000'

DATE: JAN., 29/1971

LEGEND

FENCE. . . . . .

PIPELINE . . . . . .

POWERLINE. . . . .

ROAD, RR.

mining geophysical surveys

0102

M.G.S.

Elliot

4/72

REPORT

AN INDUCED POLARIZATION-RESISTIVITY SURVEY,

GIBSON MINE PROJECT

NORTH AREA, GILA COUNTY, ARIZONA

for

Arizona Mining Properties, Inc.
Houston, Texas

Registered Professional Engineer (Geophysical)
CERTIFICATE No.
6877
CHARLES L.
ELLIOT
Date Signed 4-28-72
Arizona U. S. A.

ELLIOT GEOPHYSICAL COMPANY
Mining Geophysical Engineers
4653 East Pima Street
Tucson, Arizona 85712

REF: KY1E

During the period March 1, through March 16, 1972, an additional induced polarization-resistivity survey consisting of four survey lines was performed in the North Area as part of the Gibson Mine Project. This survey was a continuation of two previous surveys performed on the property by Mining Geophysical Surveys, Tucson, Arizona and this earlier work was reported in previous reports by ELLIOT GEOPHYSICAL COMPANY of November 21, 1970 and March 6, 1971.

This survey in 1972 was performed by Mining Geophysical Surveys, Tucson, Arizona under the supervision of W. Gordon Wieduwilt, the field survey was under the direction of crew chief, John J. Gurney. The four survey lines performed were surveyed utilizing a conventional inline dipole-dipole array with a basic dipole length of 1,000 feet. Separations of the current potential dipoles were realized from one to six times the basic dipole length of 1,000 feet. This procedure gave rise to an approximate 9,000 foot swath of data with induced polarization and resistivity information to depth of the order of 2,000 feet. The field procedures employed by Mining Geophysical Surveys are covered in the final report by Mining Geophysical Surveys of April 4, 1972 and have also been discussed in more detail in previous reports by C.L. Elliot of ELLIOT GEOPHYSICAL COMPANY.

Pertinent references to this report are the following:

1) Report: Induced Polarization and Resistivity Survey, Gibson Mine Area, Gila County, Arizona for Paul Kayser, Mining Geophysical Surveys Project 0207, James B. Fink, April 4, 1972.

2) Report: An Induced Polarization-Resistivity Survey, Gibson Mine Area, Gila County, Arizona for Mr. Paul Kayser, Arizona Mining Properties, Inc. Houston, Texas, C.L. Elliot, ELLIOT GEOPHYSICAL COMPANY, November 21, 1970

3) An Addendum Report on An Induced Polarization-Resistivity Survey, Gibson Mine Area, Gila County, Arizona for Mr. Paul Kayser, Arizona Mining Properties, Inc., Houston, Texas, C.L. Elliot, ELLIOT GEOPHYSICAL COMPANY, March 6, 1971

In the above report by Mining Geophysical Surveys, are presented the original induced polarization and resistivity data plotted in psuedo-sections. The data is of excellent quality and of ample caliber for the purposes at hand. C.L. Elliot of ELLIOT GEOPHYSICAL COMPANY, Tucson, Arizona planned the survey, supervised the field work and is fully responsible for analysis and interpretation of all of the data. These results are presented in the attached drawing which forms a part thereof of this report. This attached drawing is entitled:

Interpretation Overlay, Induced Polarization-Resistivity Data, Gibson Mine Project, North Area, Gila County, Arizona, for Arizona Mining Properties, Inc., Houston, Texas, April, 1972

Mining Geophysical Surveys performed the induced polarization-resistivity survey work under a contract agreement between Mining Geophysical Surveys and Mr. Paul Kayser, dated February 14, 1972. The survey work by Mining Geophysical Surveys was performed for a total cost of $6,111.93 and consisted of 6.8 line-miles of data with induced polarization and resistivity information to depth and was performed in 13½ field production days. The resulting productivity for this survey is therefore at the rate of $896.00 per line-mile with depth information and $453.00 per production day. This is excellent productivity for the terrain conditions existing in the north part of the Gibson Mine Area and consistent with productivity from other surveys of a similar nature performed in this general area.

Tom Clary of the staff of Occidental Minerals Corporation, Globe, Arizona, several years ago recommended to Mr. Paul Kayser that the interesting potential target area of the Gibson Mine region more than likely existed near the contact between the Pinal schist and the Schultz granite which lies northwest of the Gibson Mine. This contact generally strikes northeast/southwest through Sections 7, 8, 17, and 18. Geologically speaking, Tom Clary pointed out the importance of small outlying outcrops of granitic porphyry near the granite/schist contact and this could be indicative of a favorable geological setting for possible porphyry development with attendant mineralization at depth. The negative aspect of this possible approach was a myriad of drill holes, some of which exceeded 1,500 feet in depth that were drilled years ago, primarily by the Inspiration Copper Company. Some or possibly all of these previous drill sites are shown on the attached Interpretation Overlay. These

drill holes primarily followed along the Schultze granite/ Pinal schist contact but lying within the schist and near the small surface exposures of granitic porphyry.

In consideration of this recommendation by Tom Clary, with subsequent geological followup and detailed study by Dr. Paul C. Gilmour, Consulting Geologist, Tucson, Arizona. Arizona Mining Properties, Inc. extended their land holdings northward by obtaining several groups of claims. Further to this from the geophysical point of view, one of the earlier geophysical lines performed by Heinrichs Geoexploration Company, Tucson, Arizona indicated a possible small induced polarization anomalous zone in this northern region along the Schultz granite/ Pinal schist contact. This anomalous zone of possible interest was obtained on Line 13 of the Heinrichs Geoexploration Company survey. This data and resulting anomaly was discussed in the report by C.L. Elliot, ELLIOT GEOPHYSICAL COMPANY of November 21, 1970. For completeness sake, the Heinrichs Geoexploration Line 13 is indicated on the attached Interpretation Overlay.

Primarily, the four lines surveyed by the induced polarization-resistivity method in the survey by Mining Geophysical Surveys in 1972 were designed to test completely the new claim holdings by Arizona Mining Properties, Inc. These new holdings consisted in part of the Clark, Terri, Barbee and Collins claims. The approximate present outline of ground held or under control of Arizona Mining Properties, Inc. is also shown on the attached Interpretation Overlay. The selected line layout was further controlled by a consideration of a predominant steel fence which existed throughout the northern area. The

position of this fence is shown on the attached Interpretation Overlay. This steel fence most unfortunately lies right in the position of the expected target area if the theory of Tom Clary is correct. Further, the fence exists right through the tentative anomaly recognized in the earlier work by Heinrichs Geoexploration Company. Therefore the fence, if it responds to the electrical method and commonly such fences do, then it can either give rise to a false anomaly or could mask a true anomaly from buried mineralization. Consequently it is important to realize the presence of the fence and take it into consideration in interpretation of the induced polarization and resistivity data.

The results of the induced polarization-resistivity survey by Mining Geophysical Surveys correlates very well with the data from the earlier survey by Heinrichs Geoexploration Company. The anomalous zone indicated by the data from Line 13 by Heinrichs Geoexploration Company is also clearly indicated in the data from Line KY-7. Also a very similar response is indicated in the data from Line KY-10. In all three indicated responses from these lines, the apparent induced polarization anomalous zone exists at or very close to surface but with rather limited depth extent. The zone as indicated is open both to the northeast and to the southwest. The indicated zone is not typical of sulfide mineralization and of prime importance is that the zone clearly follows the trend of the steel fence through Section 17. An analysis of the induced polarization data strongly suggests that this is a false induced polarization anomalous zone due solely to the electrical response of the steel fence and in no way is indicating sulfide mineralization.

If the zone did contain sulfide mineralization, then the zone would have been already tested. A minimum of two of the Inspiration drill holes were drilled in the middle of the existing zone and three more on the northeast extremity of the zone were drilled close to or along the strike extension of the indicated zone. Therefore if economic sulfide mineralization did exist and was giving rise to this zone then it has been more than adequately tested by Inspiration Copper Company. In consideration that they did not follow up in this area with a strong land position, could only suggest that the results of this drilling were completely negative. It is not known why Inspiration Copper Company drilled these specific holes at these specific sites, but it is strongly suggestive that they also drilled an induced polarization anomalous zone which was due to the fence but apparently not recognized by their geophysical people.

The zone is completely cut off northeast even though the fence does persist in a northeasterly direction. Line KY-9 does not show any indication of the fence nor is there any anomalous induced polarization response anywhere within the extent of Line KY-9. Fence responses oftentimes do this in that parallel survey lines do not necessarily reflect the extent or existence of the fence even though careful observations suggest that the fence is identical. It is not the fence per se that causes the response, but the electrical properties of the fence which are a complex function of the conductivity of the fence, the number of grounding points and the spacing of such grounding points, as well as the near surface resistivity of the soil and rock near the fence. It is very difficult to predict the electrical properties or behavior of such a fence but it is well recognized by geophysicists that fence effects

oftentimes do give rise to false induced polarization responses.

Line KY-8 was laid out to completely test the Collins group of claims, this group lies solely within the Pinal schist and Line KY-8 was aligned approximately parallel to the schist bedding. No anomalous induced polarization results of any consequence were noted in the data from KY-8 and therefore no further induced polarization survey work was recommended in the southern part of the area presently under consideration.

In conclusion, the four survey lines performed by Mining Geophysical Surveys in 1972 are for all intent and purposes negative and there is no suggestion whatsoever of any possible development of sulfide mineralization that could be of economic interest. The anomalous induced polarization zone indicated on the attached Interpretation Overlay is presented for sake of completeness only and it is conclusively suggested that this is a false anomaly and not worthy of any further exploration interest or action. In furtherance of this are the several deep drill holes drilled some years ago by Inspiration Copper Company and these clearly indicate that this region more than likely does not contain any suggestion of sulfide mineralization in the economic sense.

Thereby in conclusion, the data from these four survey lines in conjunction with the myriad of other induced polarization-resistivity data from the Gibson Mine Area and surrounding property held by or under control of Arizona Mining Properties, Inc. does not suggest that any further interest or activity should be spent on this property. No indications of any economic

importance have been indicated from the geophysical data and therefore, it is strongly recommended that no further interest be taken in this property based on the data at hand. The Gibson Mine Area does not appear to have the potentiality of developing a major copper prospect. No further geophysical work of any nature is recommended in this area.

Respectfully submitted,
ELLIOT GEOPHYSICAL COMPANY

Charles L. Elliot

Charles L. Elliot

Tucson, Arizona
April 28, 1972

Attachment: Interpretation Overlay

Distribution: Paul E. Kayser
Robert Franks (2 copies)
Dr. Paul C. Gilmour

NOTES ON DDH-1 B, GIBSON PROPERTY,

MIAMI DISTRICT, ARIZONA.

28th May, 1971 Paul Gilmour

NOTES ON DDH-1 B, GIBSON PROPERTY,

MIAMI DISTRICT, ARIZONA.

The following notes describe work dealing with two related objectives, namely, (a) plotting the course of DDH-1 B and (b) determining the attitude of foliation in the vicinity of DDH 1-A and 1-B so as to be able to "spot" a hole capable of reaching the I.P. target without recourse to directional drilling

The data used to plot the course of DDH 1-B were obtained by means of an Eastman single-shot instrument. Of the 40-odd determinations made between the collar and 496 feet, only 12, spaced approximately 50 feet apart, were actually used (see Appendix). The reasons for the variation noted at certain stations is unknown; perhaps the instrument had not settled before the photographs were taken.

The actual plot of the hole - both in plan and section - is shown in Figure 1. It may be seen that the hole had "travelled" a relatively insignificant 24 feet to the southeast at a depth of approximately 500 feet, and, in the process, "lost" less than 1 foot measured vertically.

The gist of these findings were previously described (based on a preliminary plot to 443 feet) and, in the course of a discussion involving Messers. P. Kayser, C.L. Elliot, J. Janco and the writer, it was agreed that - barring unforseen difficulties - DDH 1-B should be capable of testing the source of the I.P. anomaly without "benefit" of additional wedging.

On the occasion of the discussion noted above, Mr Kayser asked the writer to measure the attitude of the foliation in a sufficient number of outcrops of Pinal schist in the vicinity of DDH 1-A and 1-B to permit accurate prediction of the probable deflection in any holes which might be drilled in the future - either because 1-B cannot be completed or because 1-B obtains positive results. It was hoped that, by making suitable adjustments to the location and initial angle and direction,

it might be possible to "spot" a hole capable of reaching the target without the use of wedges.

Unlike most of the rocks underlying the Gibson property, which are highly schistose phyllites and chloritic schists, giving rise to clean-weathering, inconspicious outcrops, those in the vicinity of the present drilling are predominantly rather massive, silty to slightly gritty siliceous schists which form fairly prominent outcrops, lightly discoloured with iron oxides.

Owing to the moderately conspicuous nature of the exposures, no difficulty was experienced in obtaining a sufficient number of measurements of strike and dip for the purpose of the study - care being taken to avoid outcrops affected by down-slope, soil creep which, owing to the strong relief in the area, is common.

The measured attitudes are shown in Figure 2. The mean strike and dip was found by means of a semi-quantitative statistical technique to be 49° (true, azimuth) and 66° to the NW, respectively. As may be seen in Figure 2, the variation around this mean is relatively insignificant.

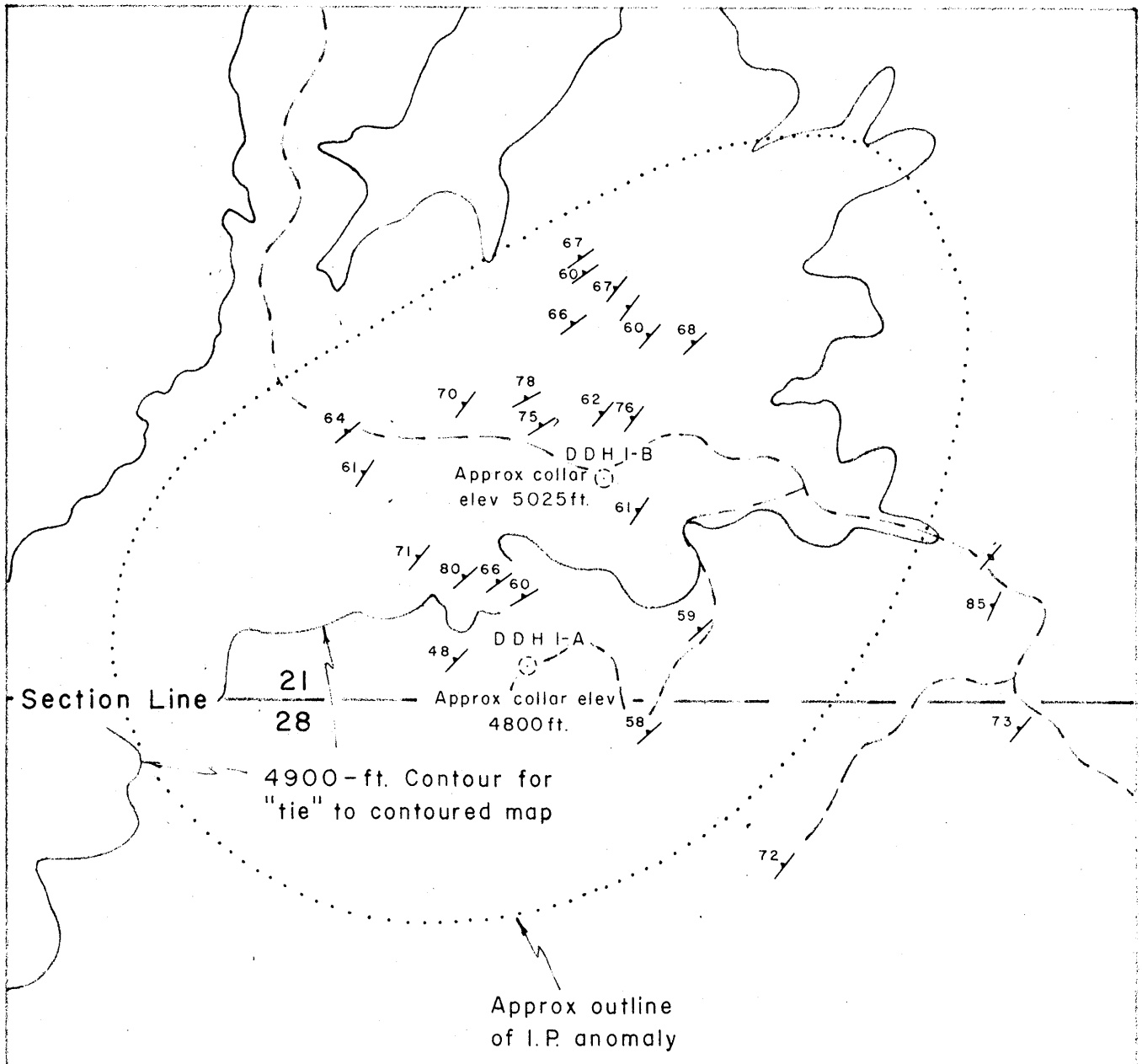
The course of DDH 1-B was complicated by wedging, of course, but, in general, the hole displays the familiar tendency to approach the perpendicular to the foliation

Although the mean foliation dip is 66° - toward the northwest - three measurements ranging from 75 to 80° were obtained. The flattest angle which can safely be drilled toward the northwest is, therefor, about 80°. The course of two hypothetical holes were plotted - assuming a deflection toward the southeast of 3° per 100 feet and initial dips of -90 and -85°. This figure almost certainly represents a maximum and it will be easier to predict the course of future holes when, using the stabilized core barrel, 300 or 400 feet of DDH 1-B have been completed and surveyed, but, if proper allowance is made when the hole is spotted, it looks as if

(a) the I.P. target depth can be reached without wedging and (b) a slight initial inclination to the northwest, away from the perpendicular to the steepest foliation attitudes measured, would be worthwhile.

Tucson, Arizona.
28th May, 1971

Signed:



GIBSON MINE PROPERTY

T. 1 S., R. 14 E., Sec. 16 & 17, 21-2 and 27-9

Sketch Map Showing
the attitude of the foliation in the Pinal Schist
around DDH I-A & I-B

Scale: 1 in. = 500 ft.

Figure 2

NOTES ON DDH GIBSON 1-B.

As everyone connected with the project knows, the drilling of Gibson 1-B encountered two difficulties in particular, namely, the problem of keeping the hole straight - and thus of reaching the requisite depth to test the source of the I.P. anomaly - and the ambiguity arising from variations in the results obtained from different assayers.

Gibson 1-B intersected a monotonous succession of fine-grained gritty-textured felsic schists containing small, pale-blue, opalescent quartz "eyes" and minor intercalations of finely-laminated sericite schist and chloritic phyllite. The original nature of these rocks is unknown: possibly they represent metamorphosed intermediate and felsic tuffs, but no conclusive evidence on this question was recognised.

Numerous faults, represented by broken core, gouge, bleaching of adjacent rocks and, in the first few hundred feet in the hole, iron oxides, were recorded in the log, but the scale of faulting is unknown.

Mineralization encountered in the hole included about 1 per cent (by volume) of very fine-grained magnetite (octahedra) which is oxidized to a mixture of haematite and goethite down to a depth of approximately 500 feet. Specularite thinly "plates" foliation planes throughout the hole.

Traces of fine-grained native copper were observed between about 300 and 500 feet, particularly in the coarse-grained felsic schists. The copper tends to occur as small flakes or plates and to be associated preferentially with grains of magnetite.

Relatively light coatings of "limonite" which presumably resulted from the oxidation of sulphides occupy fractures, etc., down to a depth of 200 feet and below that level fine-grained pyrite is scattered throughout the core. Chalcopyrite also occurs very sparingly. The amount of pyrite present is difficult to estimate reliably since the mineral either forms thin seamlets developed parallel to the foliation or thinly "plates"

fracture surfaces which both cut across and parallel the schistosity, but the average is almost certainly less than 1 per cent by volume. The very sparse chalcopyrite observed occurs in a similar manner to the pyrite and also in small grains associated with "knots" of quartz and chlorite.

"Alteration" minerals of the types associated with sulphide minerals were confined to very narrow selvedges along both sides of the sulphide seamlets developed parallel to the schistosity and, perhaps, the scattered "knots" of quartz and chlorite noted above.

Virtually all of the core was assayed for gold, silver and copper and a number of composite samples were assayed for molybdenum (see log). Only the results for copper were considered reasonably significant and subjected to a careful appraisal.

Since the results obtained from different assayers differed, the assays were plotted as a histogram on which the figures obtained from each firm were distinguished by means of a colour code (see "Comparison of Copper Assays on DDH Gibson 1-B", attached).

The following general observations seem justified:-

1. The Fountain figures are about half of those obtained by Jacobs, whereas Magma's results are too high by a factor which ranges from over one to five.

2. Considering the conditions under which the Magma assay office operates and the fact that the Jacobs results lie between those of Fountain and Magma (although closer to the former) it is believed that the Jacobs figures are probably the most reliable of the three.

3. It follows that the "peaks" in the Magma assays between 475 and 585 and between 720 and 1080 are probably spurious. This conclusion is supported by the results of core logging which indicated that only traces of visible chalcopyrite are present in these, as in the remaining , portions of the hole.

4. Based on the assumptions made above, Gibson 1-B probably contained an average of about 0.02 per cent copper down to 475 feet and about 0.05 between 475 and the bottom of the hole at 1264.

5. Just by way of an aside: it is fairly obvious that the third decimal place in Fountain's copper assays is nonsensical.

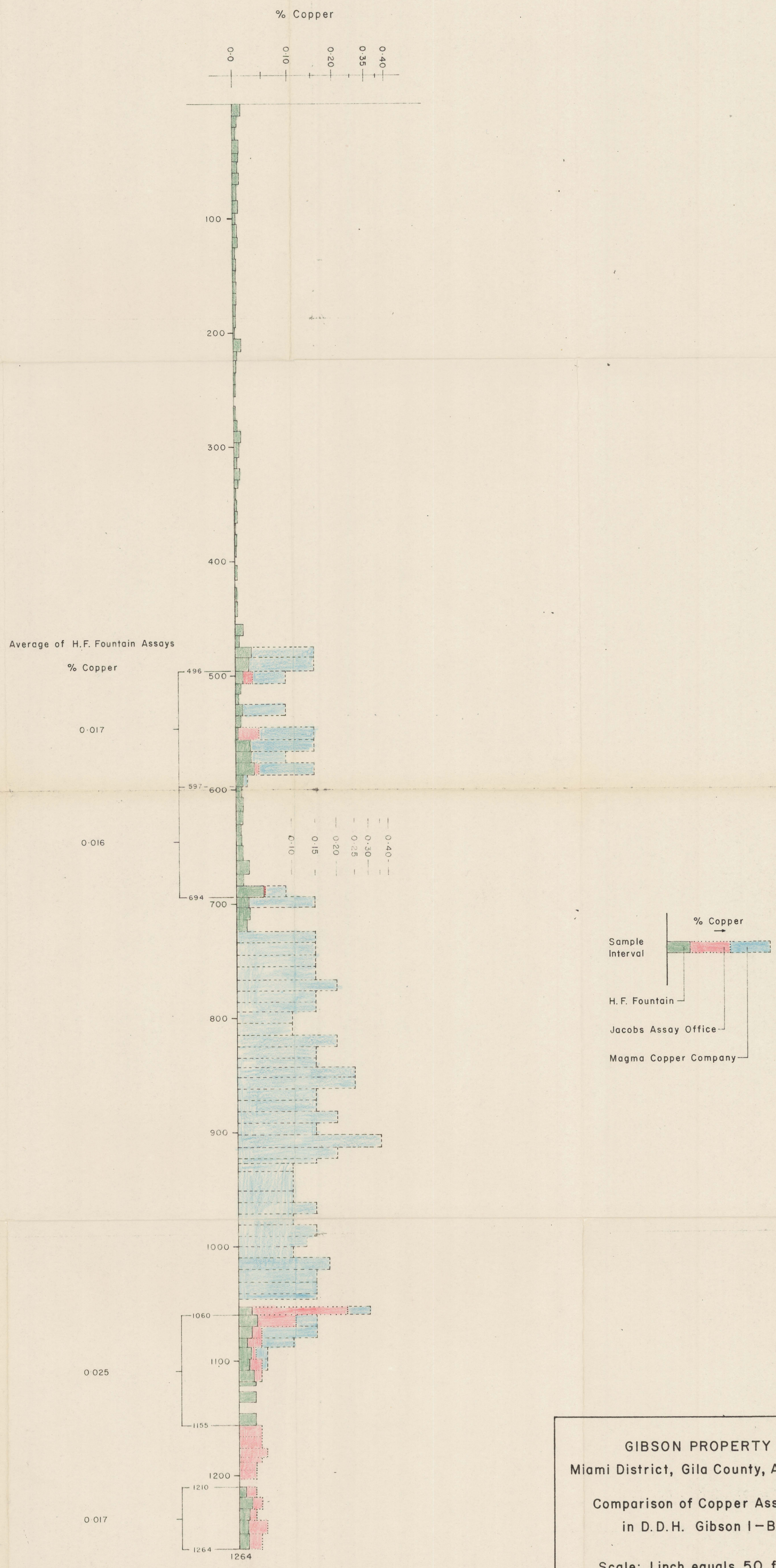
Since the objective of the hole, i.e., to test the source of an I.P. anomaly (see letter from C.L. Elliot, dated July 19th, 1971), was accomplished without intersecting commercially important amounts of copper or other metals, the drilling was discontinued.

In order to test the possibility that an almost imperceptible increase in copper values in the hole takes place which might indicate a further increase with depth, the results from four lengths of core were averaged. Only Fountain assays were used so as to keep the figures comparative - even though the absolute values might be too low. The results, shown on the assay section, must be regarded as negative.

Allowing for the inadaquacies of the Magma results for silver, the assays for gold, silver and molybdenum were all too low to be of economic importance.

It follows from the foregoing that the writer concurs with the reccommendation to discontinue drilling. It is also concluded that the results of logging and assaying indicate no additional work is warranted at the present time.

4th September, 1971 Signed:
Tucson, Arizona



GIBSON PROPERTY

Miami District, Gila County, Arizona.

Comparison of Copper Assays in D.D.H. Gibson I–B

Scale: 1 inch equals 50 feet

P. G. Sept., 1970