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

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James Doyle Sell Mining Collection

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ASARCO

Southwestern Exploration Division

JDS

August 10, 1988

FILE NOTE

Velasco Claims
N. East of Chilito Deposit
Gila County, AZ

Mr. Bob Holt, Tucson, phone 602/575-2792, called to say that he was in possession of a company's assay data in the Abrigo skarn on the approximate 170 claim area east of the Asarco (Ray Mines) Chilito deposit, which show anomalous gold values. The company wanted 20 million tons at 0.15 ounces/ton gold and though that might be available as an underground target, they were not interested in underground operations.

I referred Bob to Sal Anzalone as it is within the Ray Mines area of operations.

I request H.G. Kreis to follow-up, after his vacation time, by contacting Sal to see their interest and If Sal secured the data. If Sal has not, then Hank should re-contact Bob Holt to acquire any information possible.

James D. Sell/mek

JDS:mek

James D. Sell

10/24/88

Hank possibly can be Sal & Sal and Holt in for a discussion. Let Sal handle more.

JDS

cc: W.L. Kurtz
H.G. Kreis

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAYDEN QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 RAY 15' QUADRANGLE

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grids based on Arizona coordinate system, east and central zones
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Where omitted, land lines have not been established

UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

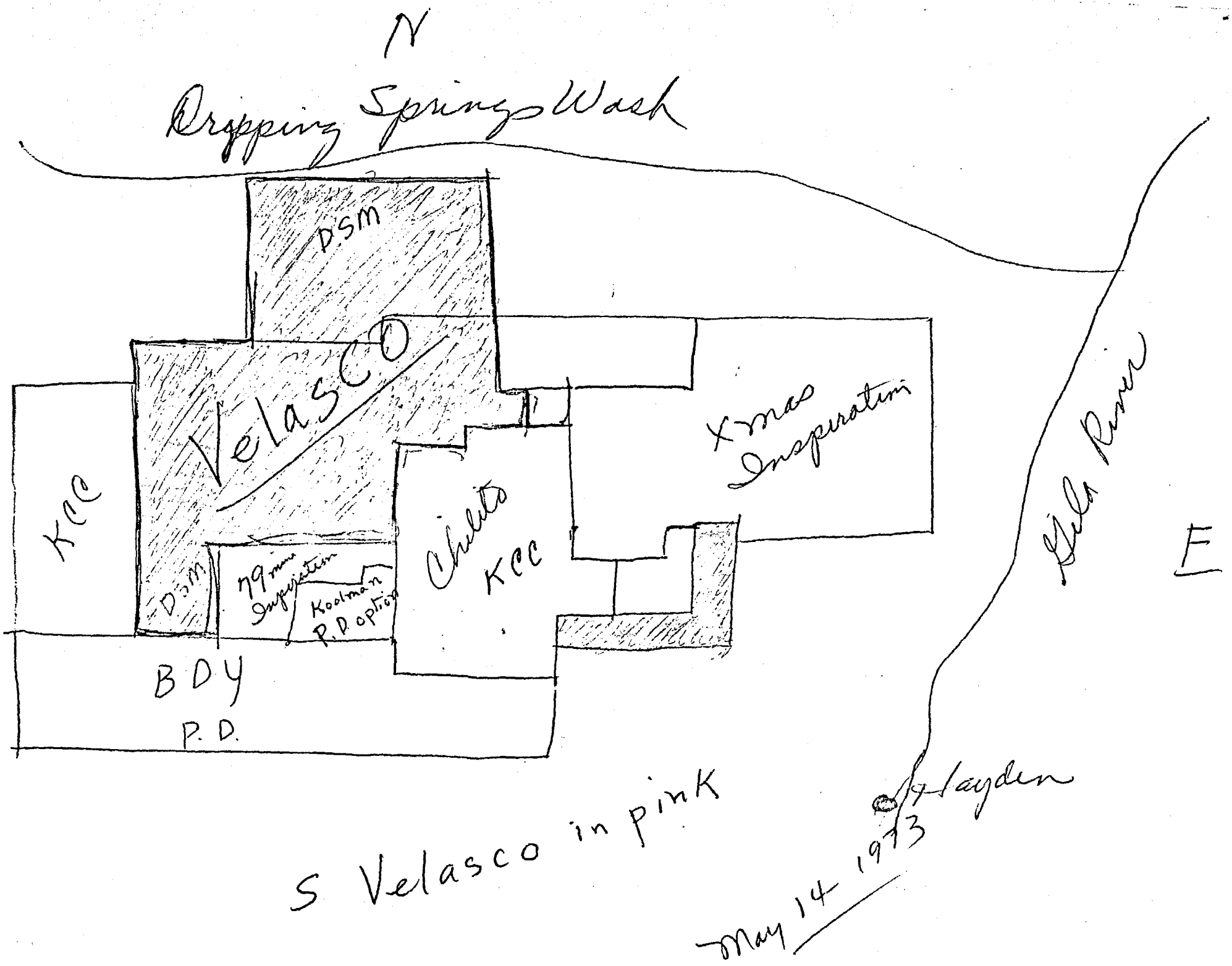
QUADRANGLE LOCATION

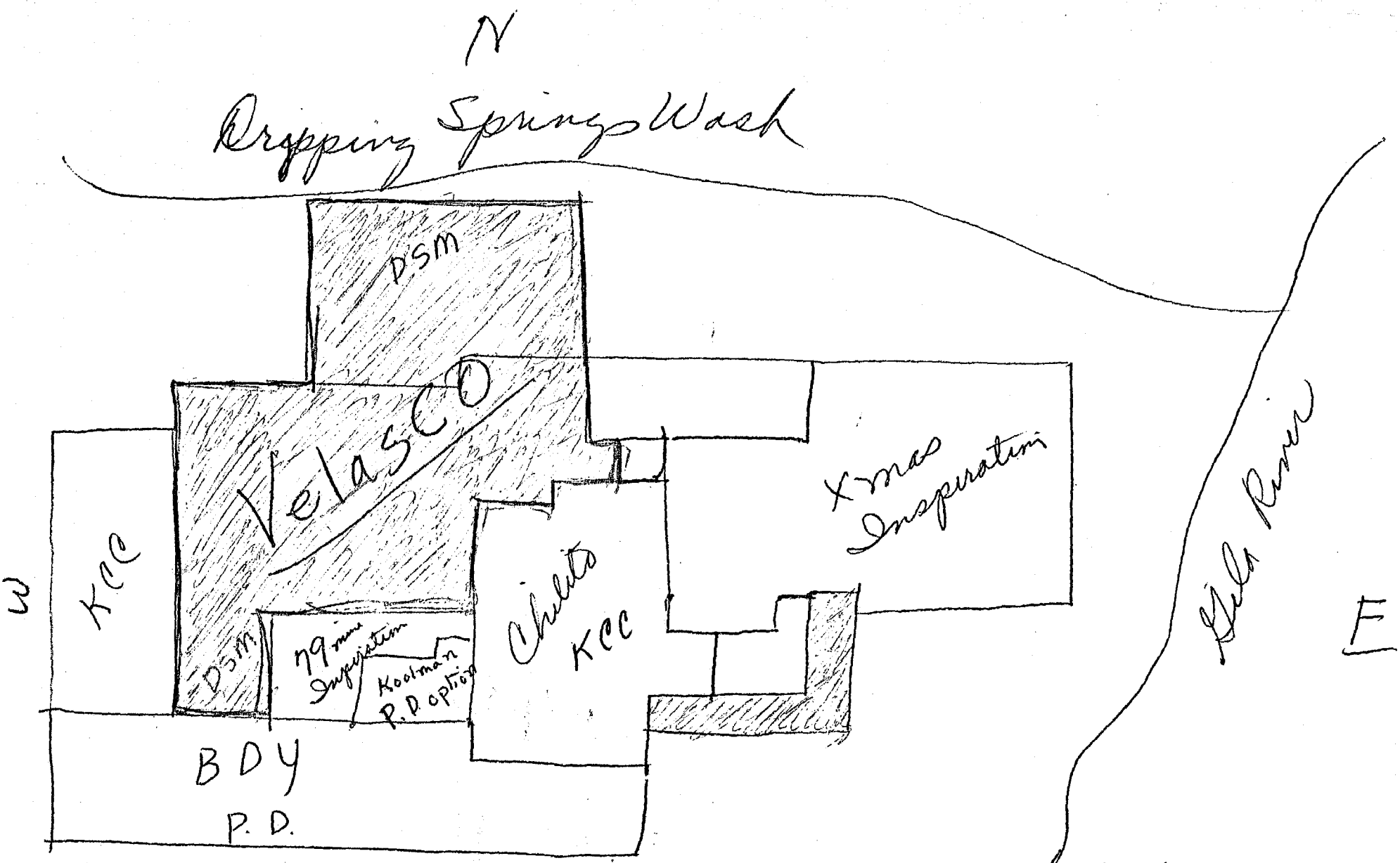
ROAD CLASSIFICATION
Heavy-duty — Light-duty
Unimproved dirt
State Route

HAYDEN, ARIZ.
SE/4 RAY 15' QUADRANGLE
N3300—W11045/7.5

1964

AMS 3850 III SE—SERIES V898


N
Dripping Springs Wash
DSM
Velasco
KCC
DSM
79 mine Inspiration
Koolman P.D option
Chalito KCC
X-mas Inspiration
BDY
P.D.
Gila River
E
S Velasco in pink
Hayden
May 14 1973



S Velasco in pink

May 14 1973

Velasco
Box 756
Winkelman, Az
May 14 - 1973

WLK

W. L. K.
MAY 16 1973

R. B. Christ
ASARCO - Exploration Dept.
1150 N. 7th Ave.
Tucson Arizona

Dear Mr. Christ,

Enclosed is an outline of how our property lies in relation to all other claim groups and mining companies in the area.

I hope it is what you requested. Later on we may get a better map from Dryymin and we will make it available to you.

Hope to see you soon.

Sincerely,
B. C Velasco

~~WLK~~
~~JDS~~ PBC

5/10/73

MRS. CONSUELA VELASCO - (BERNARDO)
WINKELMAN, ARIZ - PH: ~~836-8293~~
354-7764

MRS VELASCO stated that OCCIDENTAL (CLEARY) had Returned their block of 220 claims in the CHRISTMAS, CHILLITO & STEAMBOAT Spr. AREA

WOULD ASARCO be interested.

- ABC

W.L.M.
MAY 11 1973

Where are they? Spring

MRS VELASCO mentioned that "BILL BAILEY" STAKED the ground - should we check with him for A CLAIM MAP.

NO
- ABC
NO

JDS 6/8/73

VeLASCO CLAIMS: WINKLEMAN 356-7764

MAPS NOW AVAILABLE.

MRS. V. SUGGESTED THAT BERNARDO COULD SHOW SAT. (6/9) OR MON (6/11)

CONFIRM.

— ABC

THURS 14th

8:00 A.M.

WINKLEMAN

AMERICAN SMELTING AND REFINING COMPANY
EXPLORATION DEPARTMENT
SOUTHWESTERN UNITED STATES DIVISION
P. O. BOX 5747, TUCSON, ARIZONA 85703

R. B. CRIST
PROPERTY MANAGER

1150 NORTH 7TH AVENUE
TELEPHONE 602-792-3010

June 15, 1973

Mr. B.C. Velasco
Box 756
Winkelman, Arizona

Dear Mr. Velasco:

Enclosed herewith is the original and one extra set of the drill log and I.P. information that you gave Jim Sell and myself on Thursday, June 14th.

We stopped and talked for a few minutes with Mr. Wainwright; he asked if you were going to provide a key for the gate and we told him you were.

Thank you for your attention.

Yours very truly,

R.B. Crist

R.B. Crist

RBC:kre

Encls: as noted

REAP CREEK MINING COMPANY
ARIZONA DISTRICT

DRILLED BY METLER DRILLING
STARTED 4-14-1965
COMPLETED 6-21-1967

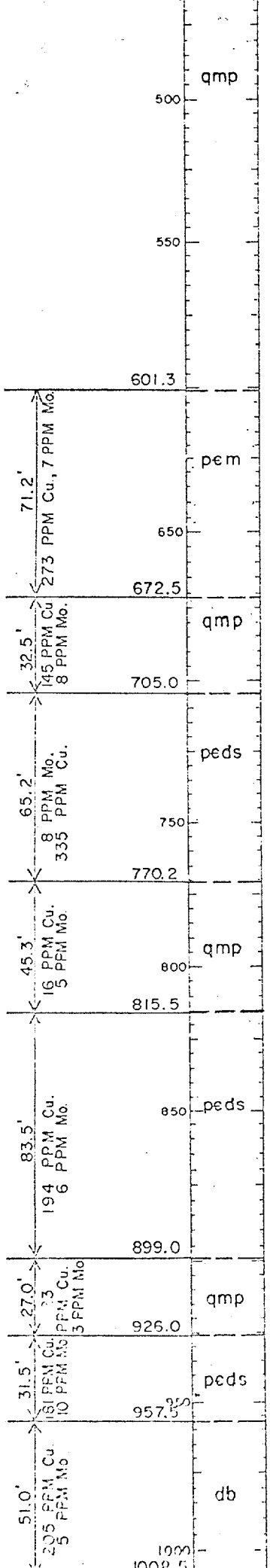
DRILL HOLE NO. BC-20
GOOD HOPE

PROJECT; CODE NO. CHILITO (06-00-0215)
STATE ARIZONA COUNTY GILA
T. 4 SOUTH R 15 EAST SECT.
COORDINATES: 755,802 N ; 841,405 E

COLLAR ELEV. 3763 TOTAL DEPTH
TYPE (S) OF DRILLING NX (0.0–700') – BX (700.0'–1003.5')

LOGGED BY P. DeWILLIAM — D. HINTZMAN

	ROCK TYPE SECTION	MINERALIZATION	DESCRIPTION
	50		Quartz monzonite porphyry: Quartz, orthoclase and biotite (brown) phenocrysts in a groundmass composed principally of kaolinite; friable, weathered and manganese stained. Goethite = 3X jarosite; essentially no hematite.
	100 qmp		Quartz monzonite porphyry: Quartz, orthoclase and biotite (brown and green) with accessory muscovite, magnetite and sphene; manganese stained on fractures: essentially no limonite; weak to moderate alteration.
4-15-1965 122.0			Quartz monzonite porphyry: Moderately to strongly altered to clay, sericite, chlorite and calcite-mostly argillization of orthoclase. Phenocrysts comprise about 40% of the rock, 3/4th orthoclase, ¼th quartz - set in an aphanophaneritic groundmass. The major mafic mineral is biotite, "sprinkled" throughout the groundmass.
34.0' .004% Cu. .0003% Mo. 156.0			Diabase: Medium grained. Soft, baked, broken up and hornfelsed near the contact. Away from the contact the rock is only weakly altered, mostly chloritization but also some silicification; calcite was seen on most of the fractures; contains about 1% pyrite, no visible chalcopyrite.
84.0' .013% Cu. .0003% Mo. 200 240.0			Diabase: Medium grained; weakly altered, generally as above but with biotite, magnetite and clay from 168.0-189.5 ft. At 240.0 ft. the rock contains about ¼% pyrite, no visible chalcopyrite.
250	db		
148.5' 262 PPM Cu, 3 PPM Mo. 300 350 388.5			Diabase: Medium grained: moderately altered, mostly chloritization, some clay. Contains about ½% pyrite with very weak chalcopyrite in scattered quartz-calcite veinlets. Moderate-to-strong faulting from 316.0 to 357.0
400.0			Quartz monzonite porphyry: Weakly altered (clay-sericite), minor chlorite after biotite, scattered specularite. Rounded quartz "eyes" up to ½". (post-mineral?). Very weak fracturing. No visible sulfides. Veinlets of calcite.
30.0' 12 PPM Cu, 4 PPM Mo. 420.0			



Mescal limestone: Weak tactite alteration; mainly scattered epidote and quartz in clots and veinlets. Sulfides in scattered veinlets comprise 1-2% by volume of rock. Weak chalcopyrite. Moderate-to-strong fracturing.

Quartz monzonite porphyry: Medium grained: moderate-to-strong alteration. From 672.5-675 strongly brecciated, containing fragments of quartzite. Alteration is chlorite after biotite and clay sericite. Sulfides in scattered blebs (pyrite) 2% by volume. No visible copper mineralization.

Dripping Springs Quartzite: Fine grained, dark grey hornfels near contact. Becoming a fine-grained white quartzite within a few feet. Strong alteration mainly clay, quartz, sericite with minor chlorite. moderately abundant calcite veinlets. Sulfides (mostly pyrite) less than ½% by volume occur in fractures. Rare visible blebs of chalcopyrite. Strong fracturing.

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Quartz monzonite porphyry: Essentially fresh, very weak fracturing, no visible sulfides. (post-mineral?)

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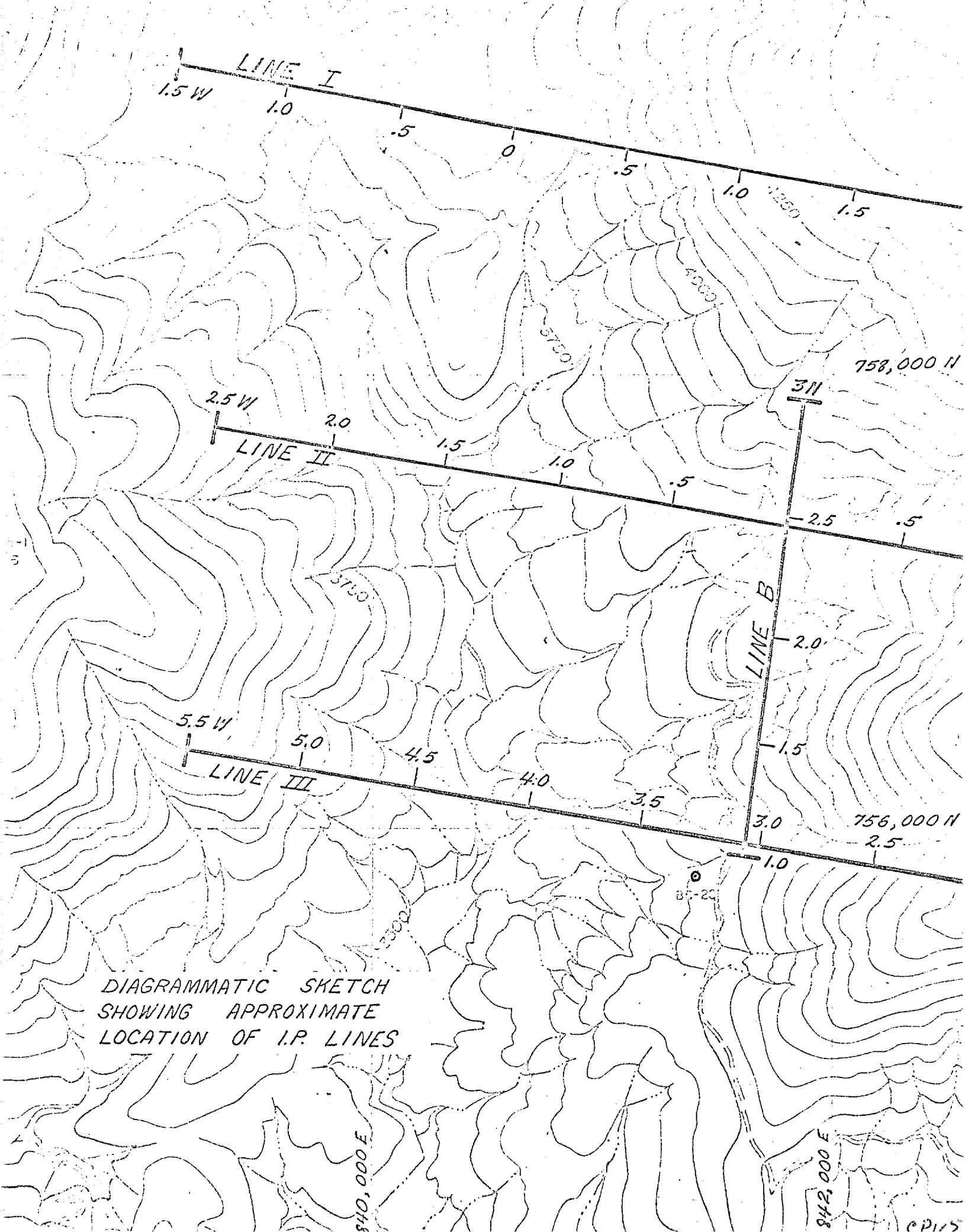
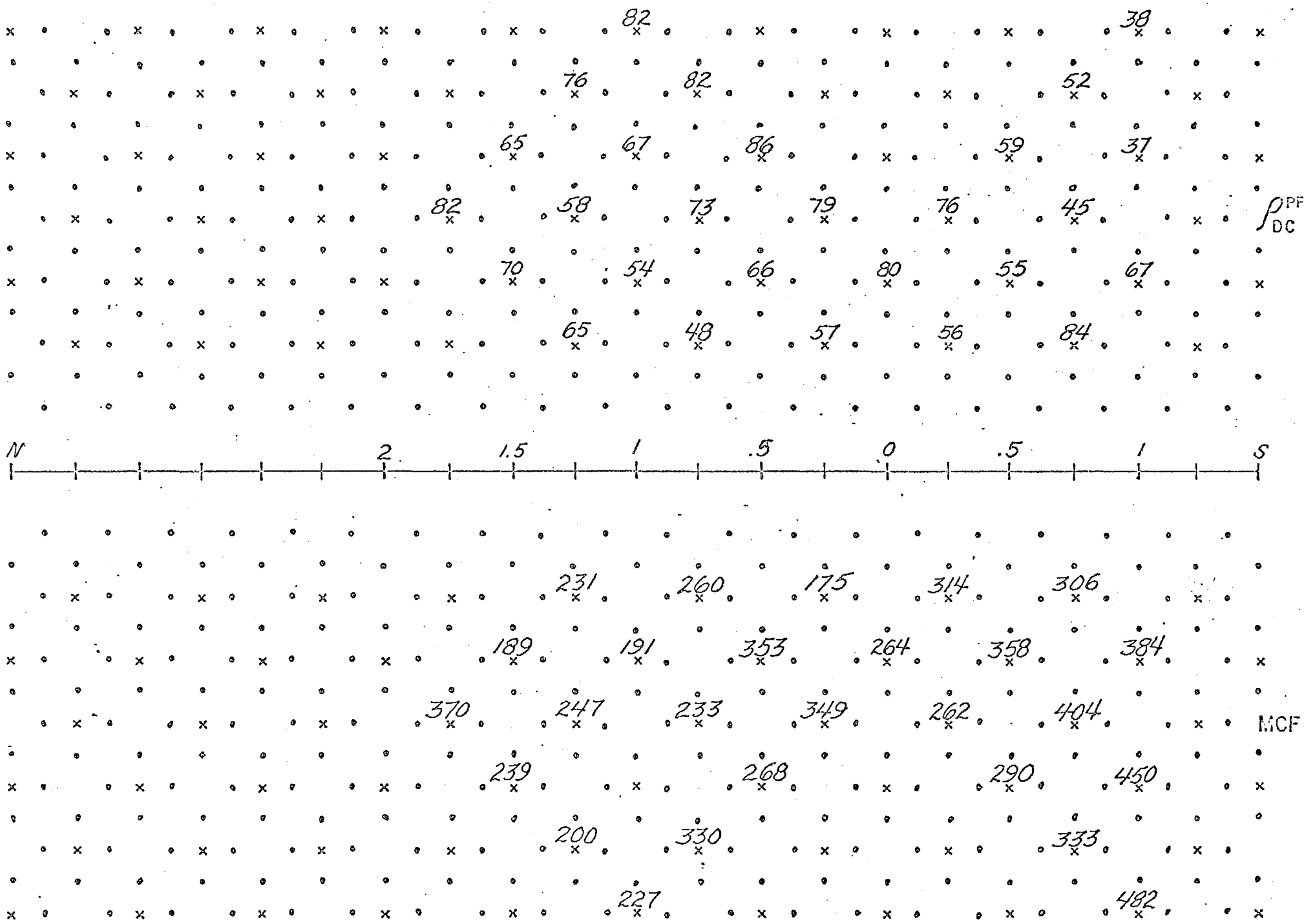
Diabase: Fine grained; moderate clay-sericite alteration and magnetite after ferromagnesian minerals 2-3% by volume. Sulfides 2-3% by volume mostly on fracture planes but also disseminated. Very rare visible chalcopyrite. Fracturing is weak.


LINE I
1.5 W
1.0
.5
0
.5
1.0
1.5
LINE II
2.5 W
2.0
1.5
1.0
.5
2.5
.5
LINE III
5.5 W
5.0
4.5
4.0
3.5
3.0
2.5
1.0
LINE B
2.0
1.5
3N
758,000 N
756,000 N
840,000 E
842,000 E
DIAGRAMMATIC SKETCH
SHOWING APPROXIMATE
LOCATION OF I.P. LINES

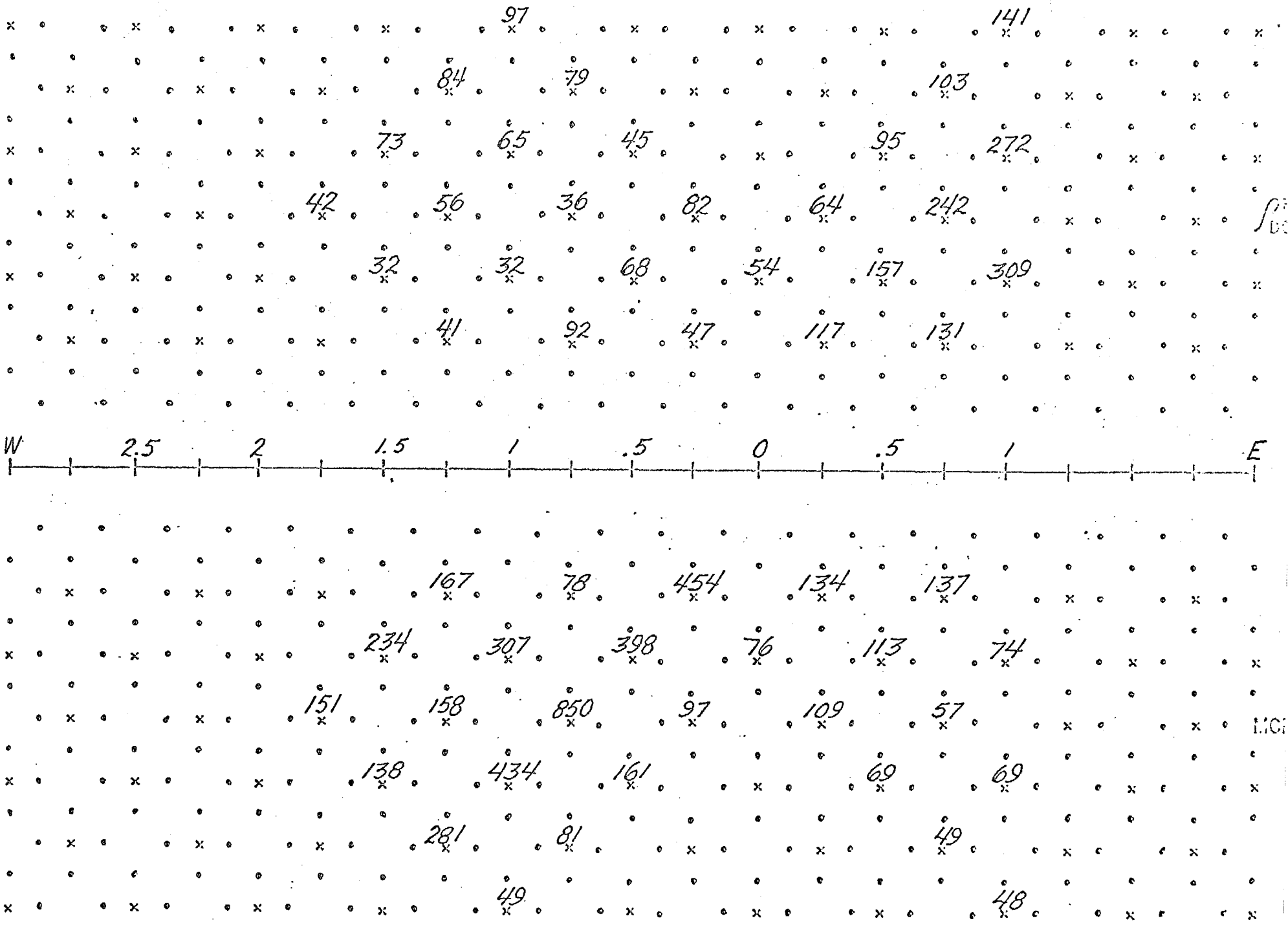
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. B SCALE 1" = 500 feet DATE

2-1d2

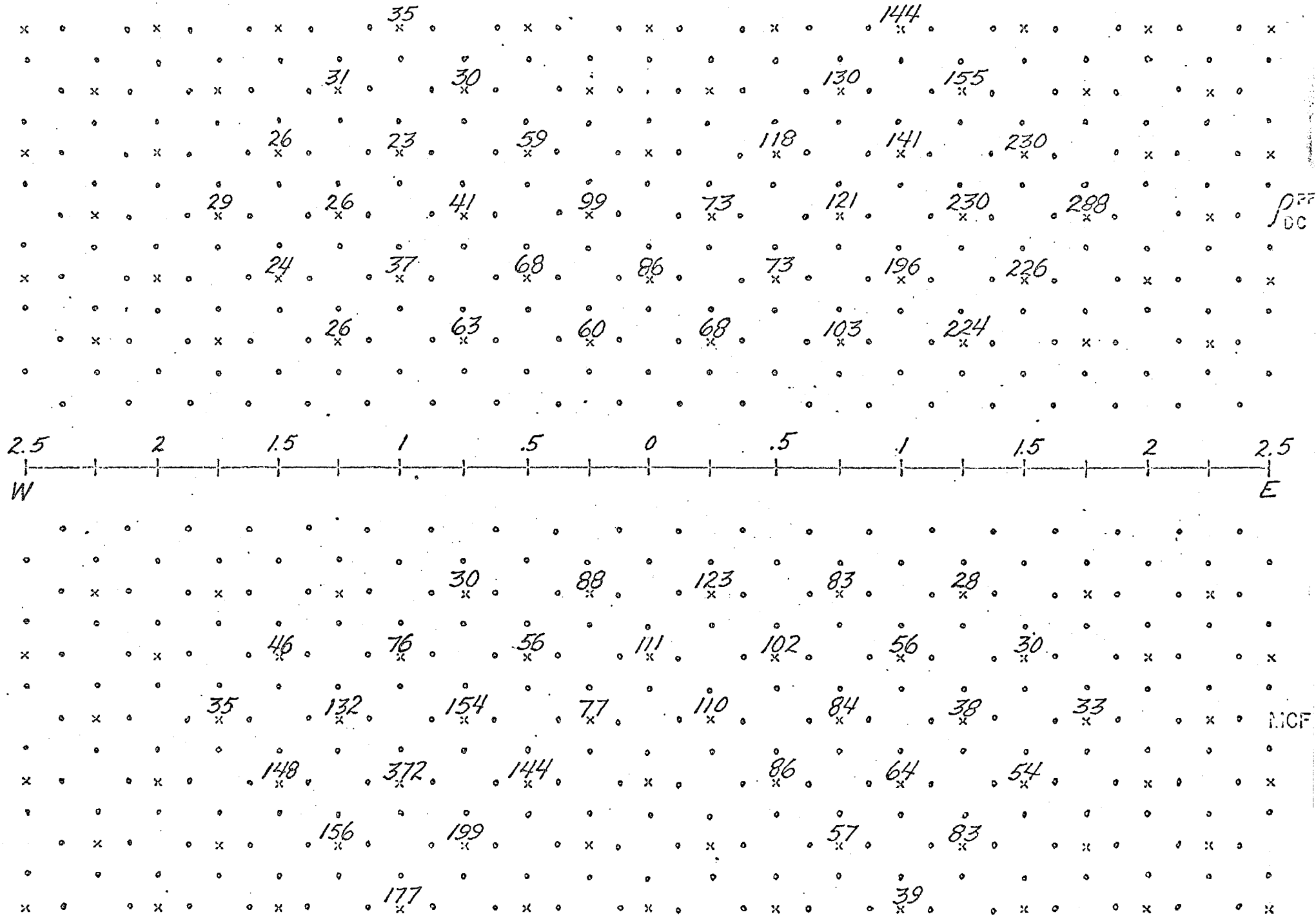
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. II SCALE 1 inch = 500 ft. DATE

COPY 7

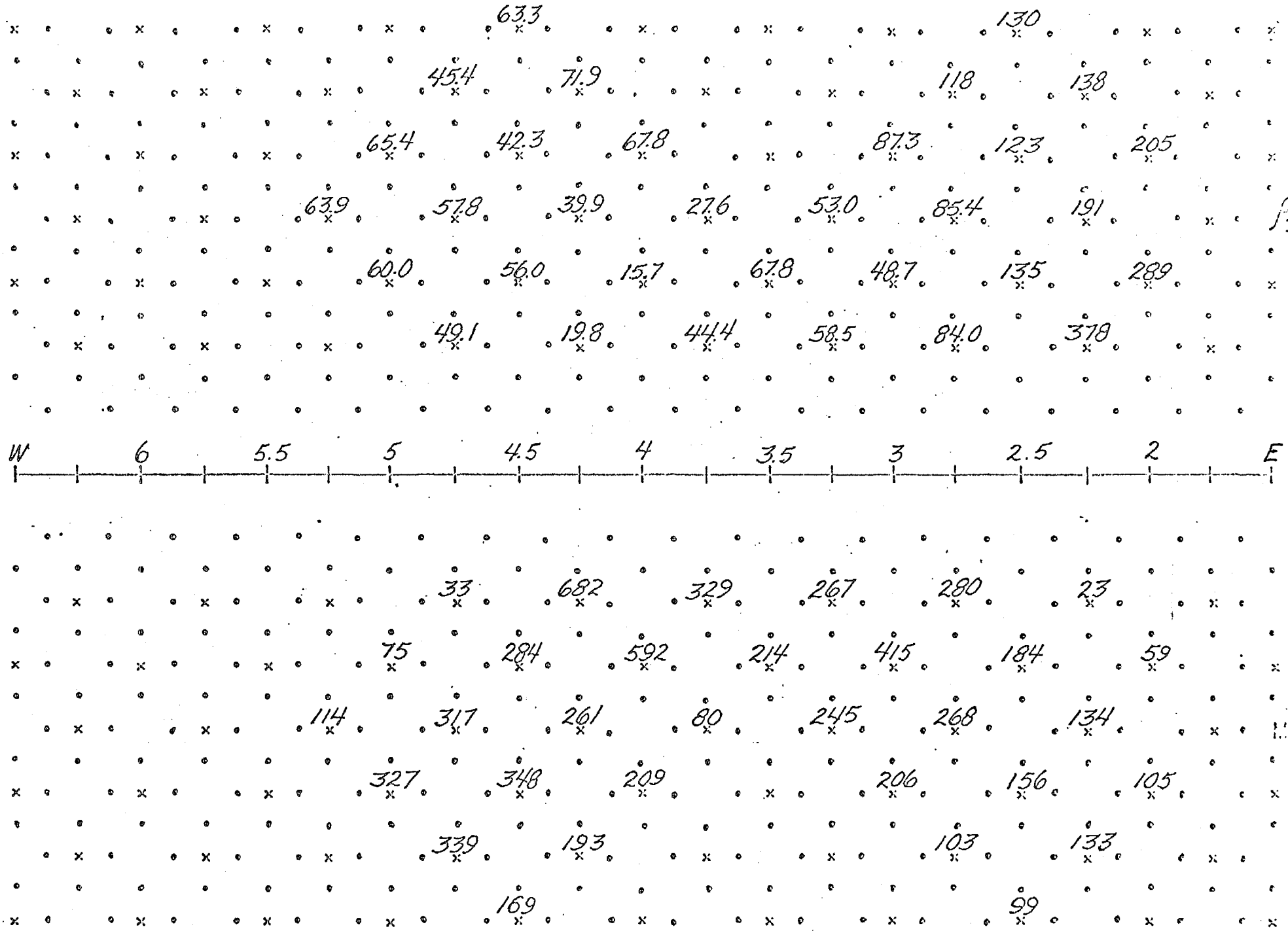
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. I SCALE 1" = 500 feet DATE

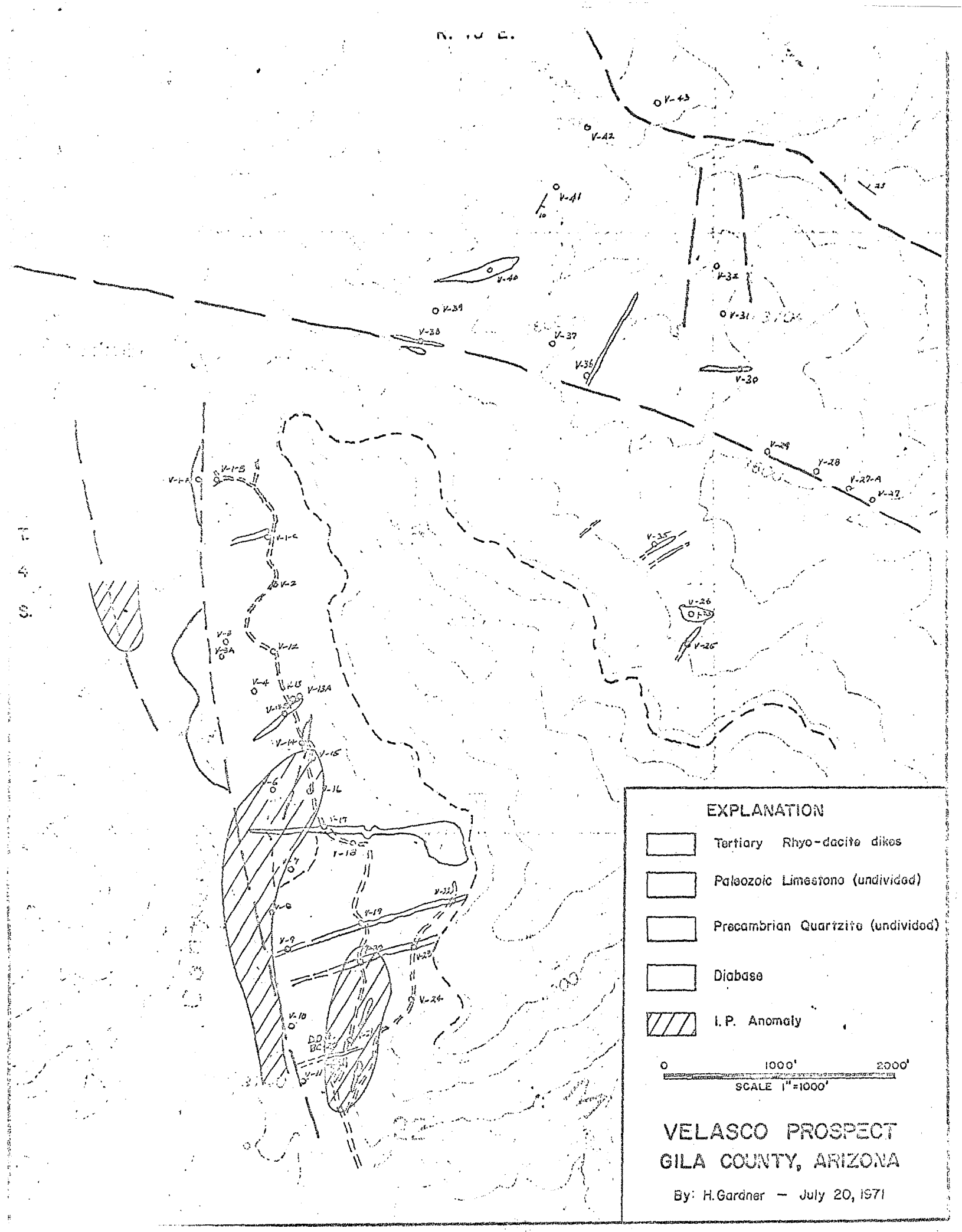
CV 8

INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. III SCALE 1" = 500 feet DATE

6-1dp


EXPLANATION
Tertiary Rhyo-dacite dikes
Paleozoic Limestone (undivided)
Precambrian Quartzite (undivided)
Diabase
I. P. Anomaly
0
1000'
2000'
SCALE 1"=1000'
VELASCO PROSPECT
GILA COUNTY, ARIZONA
By: H. Gardner — July 20, 1971

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WM. WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company

JOB # 009778 Continued
RECEIVED
REPORTED

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
38 11657				35			4
11658	Nil	.74	1.66		1.03		16
11659				44			5
11660				87			8
11661				60			6
43 11662				84			20

Charge to Tucson office.

REGISTERED ASSAYER
CERTIFICATE
WILLIAM D. WRIGHT
Arizona U. S. A.

CHARGE $ 152.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company
Mr. Ray Barkley
1024 S. Plumer
Tucson, Arizona 85716

JOB # 009778
RECEIVED 7-21-71
REPORTED 7-24-71

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
V-9 11627				132			4
V-10 11628				67			5
V-11 11629				68			6
V-12 11630				104			5
V-13 11631				78			3
V-13-A 11632				186			4
V-13-B 11633				90			4
V-14 11634				137			6
V-15 11635				125			7
V-16 11636				178			4
V-17 11637				72			5
V-18 11638				45			7
V-19 11639				74			5
V-20 11640				32			4
V-21 11641				56			5
V-22 11642				39			5
V-23 11643				27			4
V-24 11644				43			5
V-25 11645				23			4
V-26 11646				47			5
V-27 11647				71			5
V-27-A 11648				27			4
V-28 11649				36			3
V-29 11650				38			3
V-30 11651				48			4
V-31 11652				78			7
V-32 11653				28			7
V-35 11654				35			3
V-36 11655				50			4
V-37 11656				49			6

CHARGE _____

INVOICE

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company
Mr. Ray Barkley
1024 S. Plumer
Tucson, Asizona 85719

JOB # 009776
RECEIVED 7-21-71
REPORTED 7-23-71

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
Loco. A 7383		.016		91			
B 7384		.018		81			
C 7385		.016		58			
D 7386	< 1 ppm	.75		56			
E 7387				45			5
F 7388				67			4
G 7389				30			3
Glasco VI-A 7390				25			3
VIB 7391				74			5
VIC 7392				47			3
V2 7393				53			2
V3 7394				72			6
V4 7395				55			4
V5 7396				190			8
V6 7397				115			7
V7 7398				65			6
V8 7399				71			5

REGISTERED ASSAYER CERTIFICATE 5875 ARTHUR D. WRIGHT Date Signed Arizona U. S. A.

CHARGE $ 71.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

DRILLED BY METLER DRILLING
STARTED 4-14-1965
COMPLETED 6-21-1967

DRILL HOLE NO. BC-20
Good Hope

PROJECT; CODE NO. CHILITO (06-00-0215)
STATE ARIZONA COUNTY GILA
T. 4 SOUTH R 15 EAST SECT
COORDINATES: 755,802 N ; 841,405 E

COLLAR ELEV. 3763 TOTAL DEPTH
TYPE (S) OF DRILLING NX (0.0–700') – BX (700.0'–1008.5')

LOGGED BY P. DeWILLIAM — D. HINTZMAN

	ROCK TYPE SECTION	MINERALIZATION	DESCRIPTION
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34.0' .004% Cu, .0003% Mo. 156.0			
84.0' .013% Cu, .0003% Mo. 200 240.0			Diabase: Medium grained. Soft, baked, broken up and hornfelsed near the contact. Away from the contact the rock is only weakly altered, mostly chloritization but also some silicification; calcite was seen on most of the fractures; contains about 1% pyrite, no visible chalcopyrite. Diabase: Medium grained; weakly altered, generally as above but with biotite, magnetite and clay from 168.0-189.5 ft. At 240.0 ft. the rock contains about ¼% pyrite, no visible chalcopyrite.
250	db		
148.5' 262 PPM Cu, 3 PPM Mo. 300 350 388.5			Diabase: Medium grained: moderately altered, mostly chloritization, some clay. Contains about ½% pyrite with very weak chalcopyrite in scattered quartz-calcite veinlets. Moderate-to-strong faulting from 316.0 to 357.0
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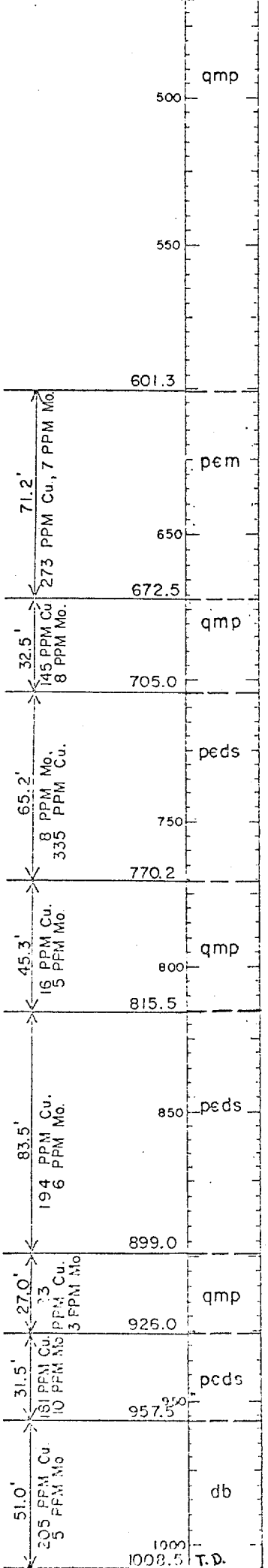

Mescal limestone: Weak tactite alteration; mainly scattered epidote and quartz in clots and veinlets. Sulfides in scattered veinlets comprise 1-2% by volume of rock. Weak chalcopyrite. Moderate-to-strong fracturing.

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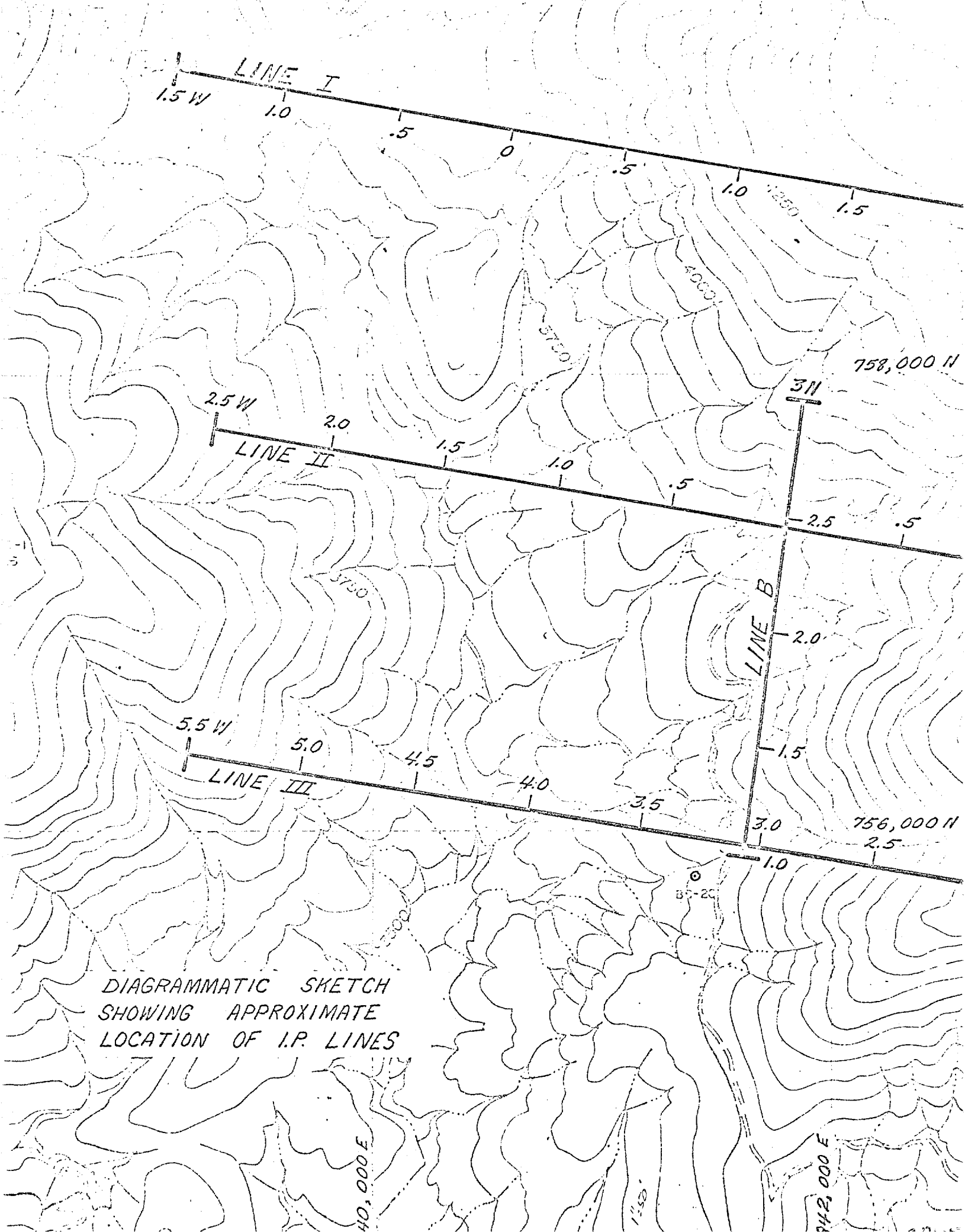
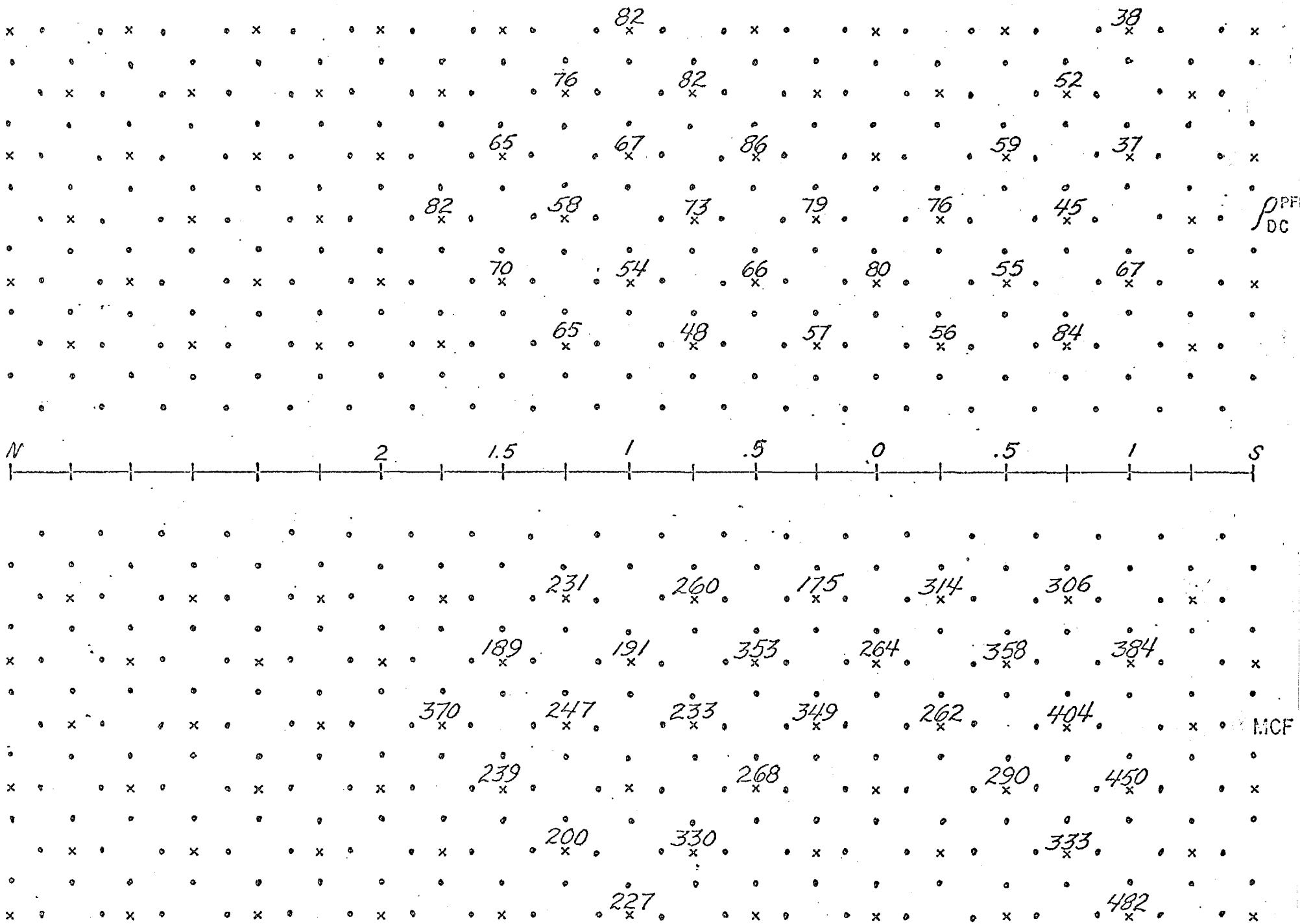


DIAGRAMMATIC SKETCH SHOWING APPROXIMATE LOCATION OF I.P. LINES

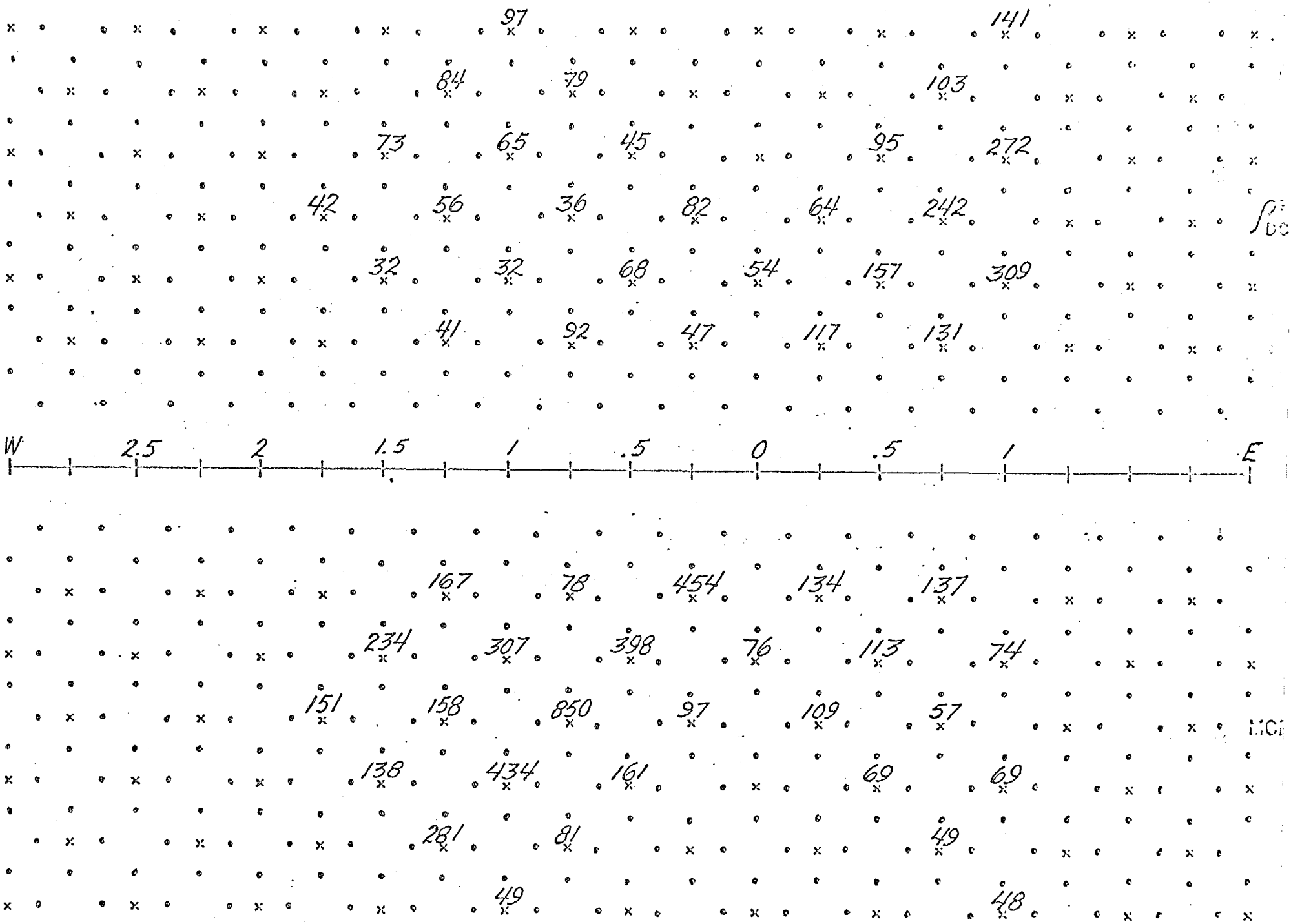
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. B SCALE 1" = 500 feet DATE

Cpf-2

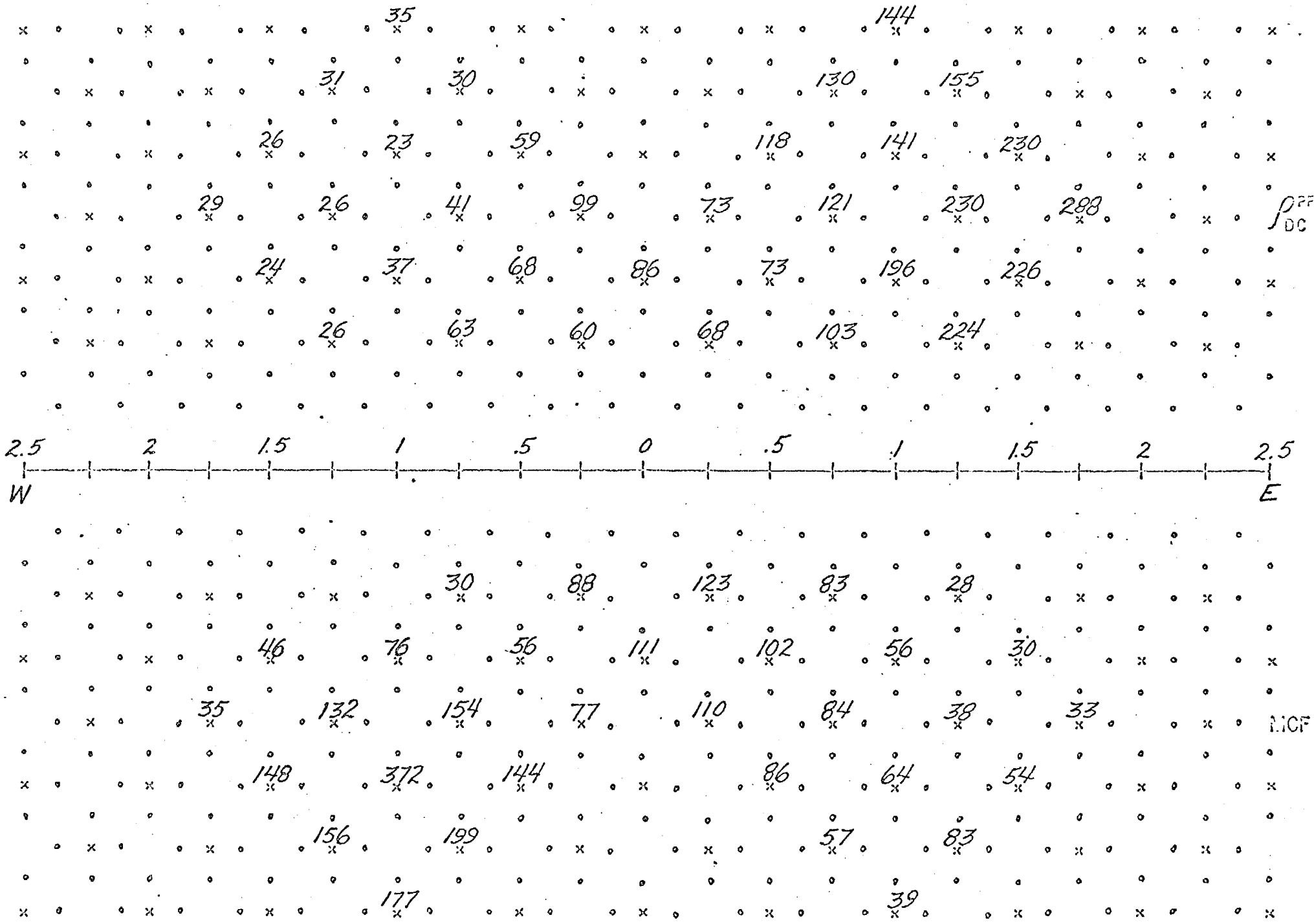
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. II SCALE 1 inch = 500 ft. DATE

P 17

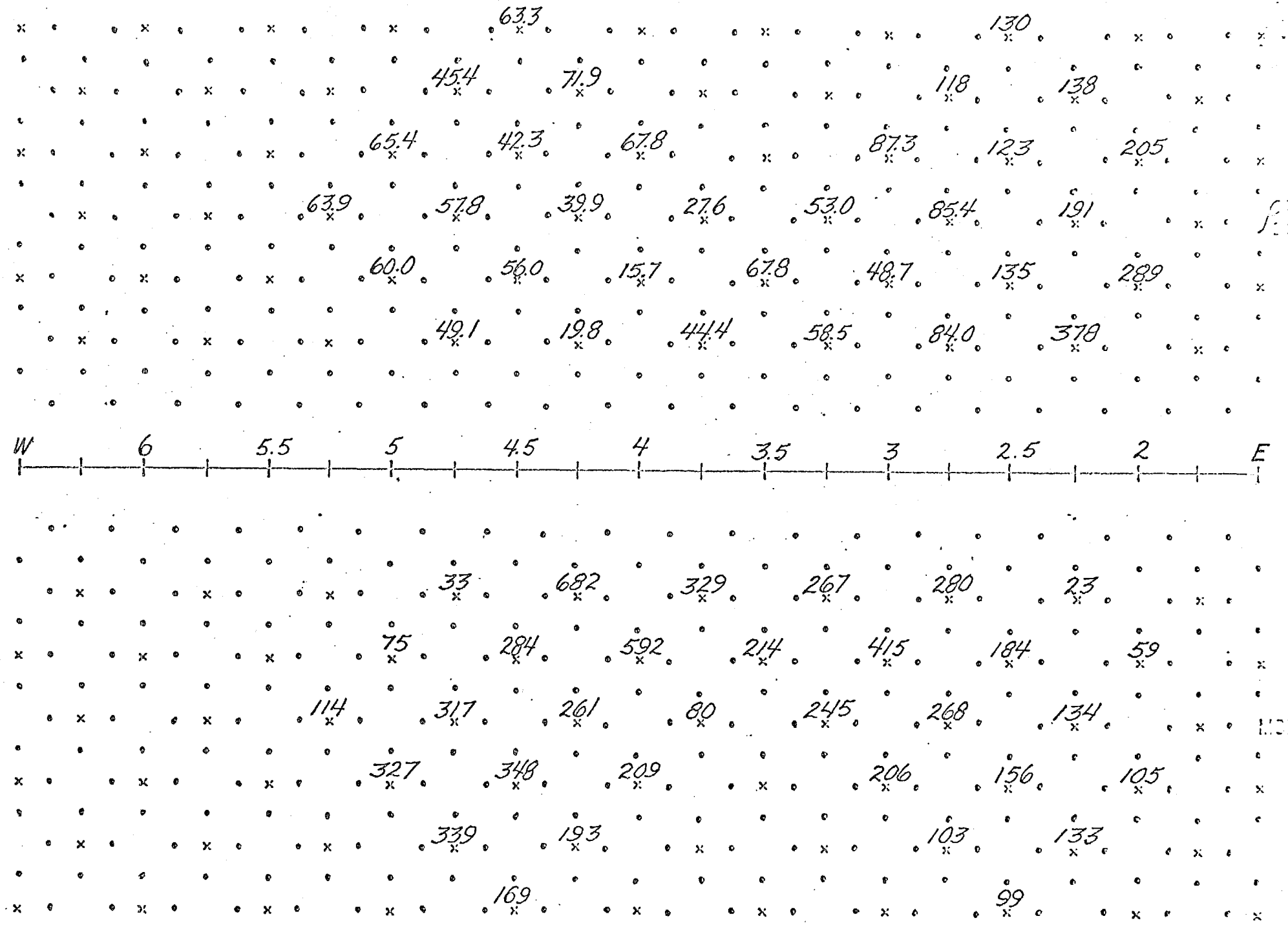
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. I SCALE 1" = 500 feet DATE

Copy 8

INDUCED POLARIZATION WORK SHEET

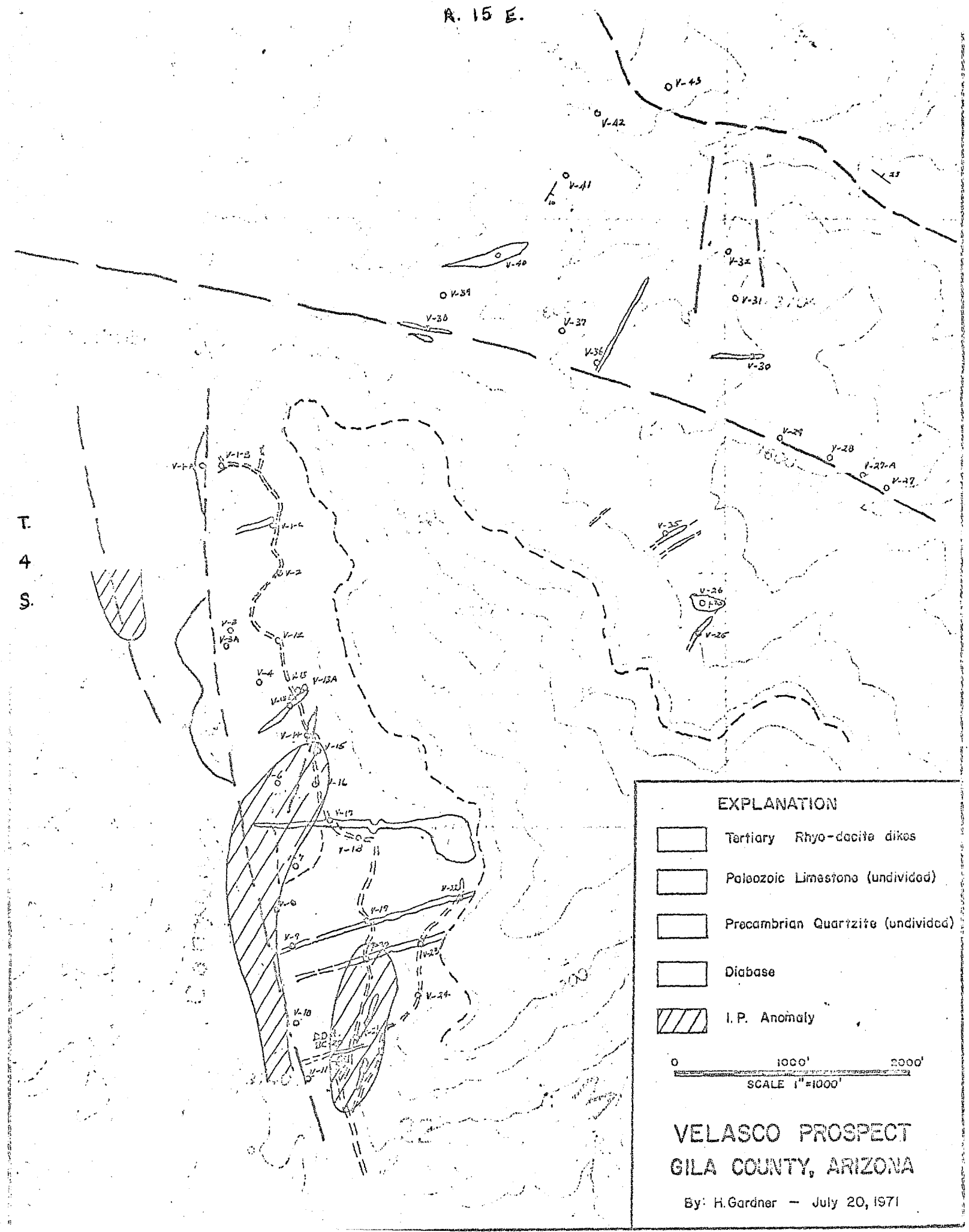


AREA CHILITO LINE NO. III SCALE 1" = 500 feet DATE

6-1de

R. 15 E.

T. 4 S.


EXPLANATION
Tertiary Rhyo-dacite dikes
Paleozoic Limestone (undivided)
Precambrian Quartzite (undivided)
Diabase
I. P. Anomaly
0
1000'
2000'
SCALE 1"=1000'
VELASCO PROSPECT
GILA COUNTY, ARIZONA
By: H. Gardner — July 20, 1971

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. SURAZO
W.E. WRIGHT
ARIZONA REG. NO. 5675

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company

JOB # 009778 Continued
RECEIVED
REPORTED

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
38 11557				35			4
39 11558	Nil	.74	1.66		1.03		16
40 11559				44			5
41 11560				87			8
42 11561				60			6
43 11562				84			20

Charge to Tucson Office.

REGISTERED ASSAYER
CERTIFICATE
58
WESTON B.
WRIGHT
Arizona Reg. No.

CHARGE $ 152.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5911

Continental Oil Company
Mr. Ray Barkley
1024 S. Plumer
Tucson, Arizona 85716

JOB # 009778
RECEIVED 7-21-71
REPORTED 7-24-71

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
V-9 11627				132			4
V-10 11628				67			5
V-11 11629				68			6
V-12 11630				104			5
V-13 11631				78			3
V-13-A 11632				186			4
V-13-B 11633				90			4
V-14 11634				137			6
V-15 11635				125			7
V-16 11636				178			4
V-17 11637				72			5
V-18 11638				45			7
V-19 11639				74			5
V-20 11640				32			4
V-21 11641				56			5
V-22 11642				39			5
V-23 11643				27			4
V-24 11644				43			5
V-25 11645				23			4
V-26 11646				47			5
V-27 11647				71			5
V-27-A 11648				27			4
V-28 11649				36			3
V-29 11650				38			3
V-30 11651				48			4
V-31 11652				78			7
? V-32 11653				28			7
V-35 11654				35			3
V-36 11655				50			4
V-37 11656				49			6

CHARGE _____

INVOICE

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company
Mr. Ray Barkley
1624 S. Plumer
Tucson, Asizona 85719

JOB # 009776
RECEIVED 7-21-71
REPORTED 7-23-71

	SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
Coco. A	7383		.016		91			
B	7384		.018		81			
C	7385		.016		58			
D	7386	< 1 ppm	.75		56			
E	7387				45			5
F	7388				67			4
G	7389				30			3
elasco VI-A	7390				25			3
VIB	7391				74			5
VIC	7392				47			3
V-2	7393				53			2
V-3	7394				72			6
V4	7395				55			4
V5	7396				190			8
V6	7397				115			7
V7	7398				65			6
V8	7399				71			5

REGISTERED ASSAYER
CERTIFICATE
58
ARTHUR F.
WRIGHT
Date Signed
Arizona U. S. A.

CHARGE $ 71.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

top 22, top 23, N½ 14, 15 all, all 11, W½ 12, all 16, all 17,
S½ 8, N½ 21, (must 29. – segregate),
San Bernardo Jr = Big Asp (1914).

Groups

San Bernardo
Good Hope
Ayala
Lead Silver King
Pony Express Rider
Connie
DSM (2 groups) (Sec 11 & Sec 21)

1005½' deep NW Sec 22 HCC 1948±

JDS
9/7/77

MRS. VELASCO called.
Block of claims next to Chilito.
Expanded thru additions by
OCCI. Both OCCI & P.D. have
pulled out.
Heard that ASARCO might be
interested in silica.

-ABC-

FROM: W. L. KURTZ

TO: ~~RBE~~ → JDS

Initially tell Velasco we're interested — do they have any geology, drill or geophysical reports available

W. L. K.
MAY 16 1973

JDS — could you like to review their area for potential? — ICC has drilled lots of holes at 79

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

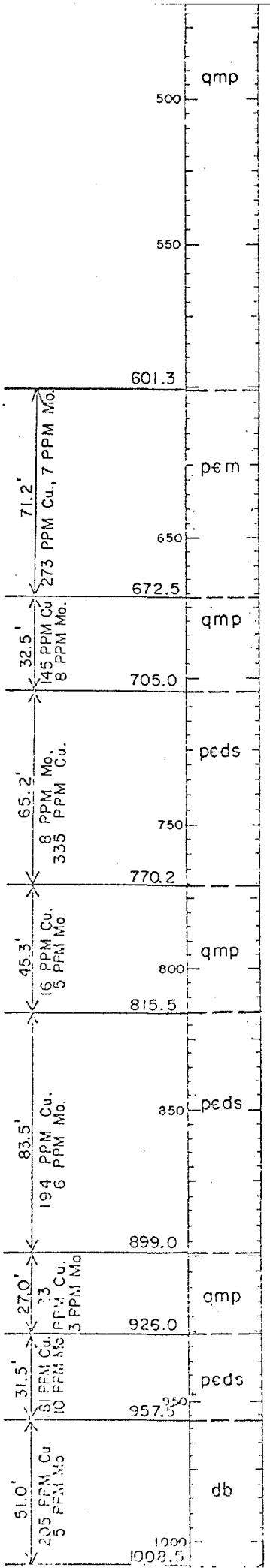
PROJECT; CODE NO. CHILITO (06-00-0215)
STATE ARIZONA COUNTY GILA
T. 4 SOUTH R 15 EAST SECT.
COORDINATES: 755,802 N ; 841,405 E

DRILLED BY METLER DRILLING
STARTED 4-14-1965
COMPLETED 6-21-1967
COLLAR ELEV. 3763 TOTAL DEPTH
TYPE (S) OF DRILLING NX (0.0–700') – BX (700.0'–1008.5')

FILE
DRILL HOLE NO. BC-20
Good Hope

LOGGED BY P. DeWILLIAM — D. HINTZMAN

	ROCK TYPE SECTION	MINERALIZATION	DESCRIPTION
	50		Quartz monzonite porphyry: Quartz, orthoclase and biotite (brown) phenocrysts in a groundmass composed principally of kaolinite; friable, weathered and manganese stained. Goethite = 3X jarosite; essentially no hematite.
	100 qmp		Quartz monzonite porphyry: Quartz, orthoclase and biotite (brown and green) with accessory muscovite, magnetite and sphene; manganese stained on fractures: essentially no limonite; weak to moderate alteration.
4-15-1965 122.0			Quartz monzonite porphyry: Moderately to strongly altered to clay, sericite, chlorite and calcite-mostly argillization of orthoclase. Phenocrysts comprise about 40% of the rock, 3/4th orthoclase, ¼th quartz - set in an aphanophaneritic groundmass. The major mafic mineral is biotite, "sprinkled" throughout the groundmass.
34.0' .004% Cu. .0003% Mo. 156.0			Diabase: Medium grained. Soft, baked, broken up and hornfelsed near the contact. Away from the contact the rock is only weakly altered, mostly chloritization but also some silicification; calcite was seen on most of the fractures; contains about 1% pyrite, no visible chalcopyrite.
84.0' .013% Cu. .0003% Mo. 240.0	200		Diabase: Medium grained; weakly altered, generally as above but with biotite, magnetite and clay from 168.0-189.5 ft. At 240.0 ft. the rock contains about ¼% pyrite, no visible chalcopyrite.
148.5' 262 PPM Cu, 3 PPM Mo. 388.5	250 db 300 350		Diabase: Medium grained: moderately altered, mostly chloritization, some clay. Contains about ½% pyrite with very weak chalcopyrite in scattered quartz-calcite veinlets. Moderate-to-strong faulting from 316.0 to 357.0
400.0			Quartz monzonite porphyry: Weakly altered (clay-sericite), minor chlorite after biotite, scattered specularite. Rounded quartz "eyes" up to ½". (post-mineral?). Very weak fracturing. No visible sulfides. Veinlets of calcite.
30.0' 12 PPM Cu, 4 PPM Mo. 420.0			



Mescal limestone: Weak tactite alteration; mainly scattered epidote and quartz in clots and veinlets. Sulfides in scattered veinlets comprise 1-2% by volume of rock. Weak chalcopyrite. Moderate-to-strong fracturing.

Quartz monzonite porphyry: Medium grained: moderate-to-strong alteration. From 672.5-675 strongly brecciated, containing fragments of quartzite. Alteration is chlorite after biotite and clay sericite. Sulfides in scattered blebs (pyrite) 2% by volume. No visible copper mineralization.

Dripping Springs Quartzite: Fine grained, dark grey hornfels near contact. Becoming a fine-grained white quartzite within a few feet. Strong alteration mainly clay, quartz, sericite with minor chlorite. moderately abundant calcite veinlets. Sulfides (mostly pyrite) less than ½% by volume occur in fractures. Rare visible blebs of chalcopyrite. Strong fracturing.

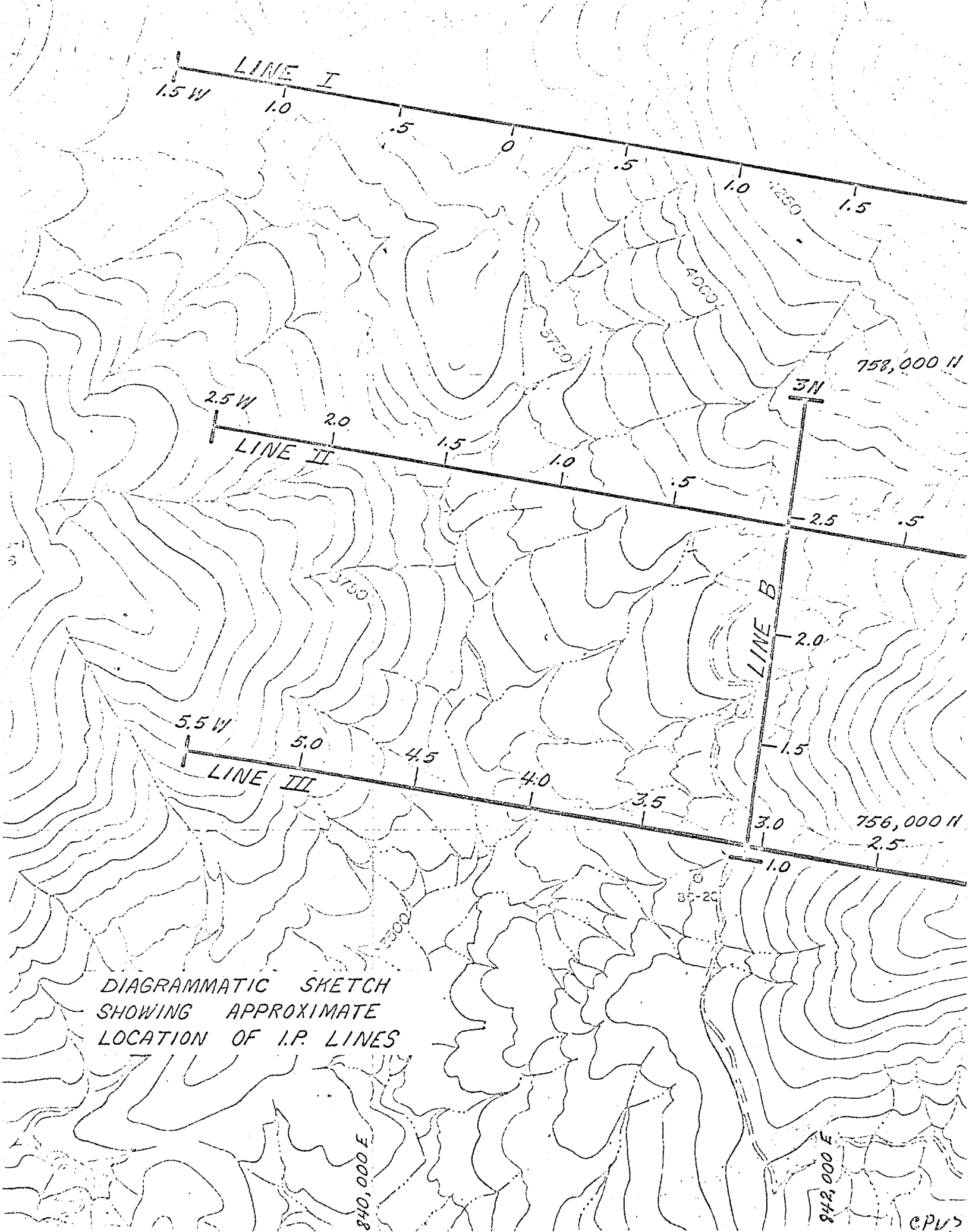
Quartz monzonite porphyry: Very weak alteration-clay sericite, very weak fracturing. No visible sulfides (Post-mineral?)

Dripping Springs Quartzite: Strong argillization and silicification, hornfelsed near contact. Fracturing is strong-to-intense. Sulfides are 1½-2% by volume occurring mostly on fractures. Very weak chalcopyrite. Veinlets of calcite.

Quartz monzonite porphyry: Essentially fresh, very weak fracturing, no visible sulfides. (post-mineral?)

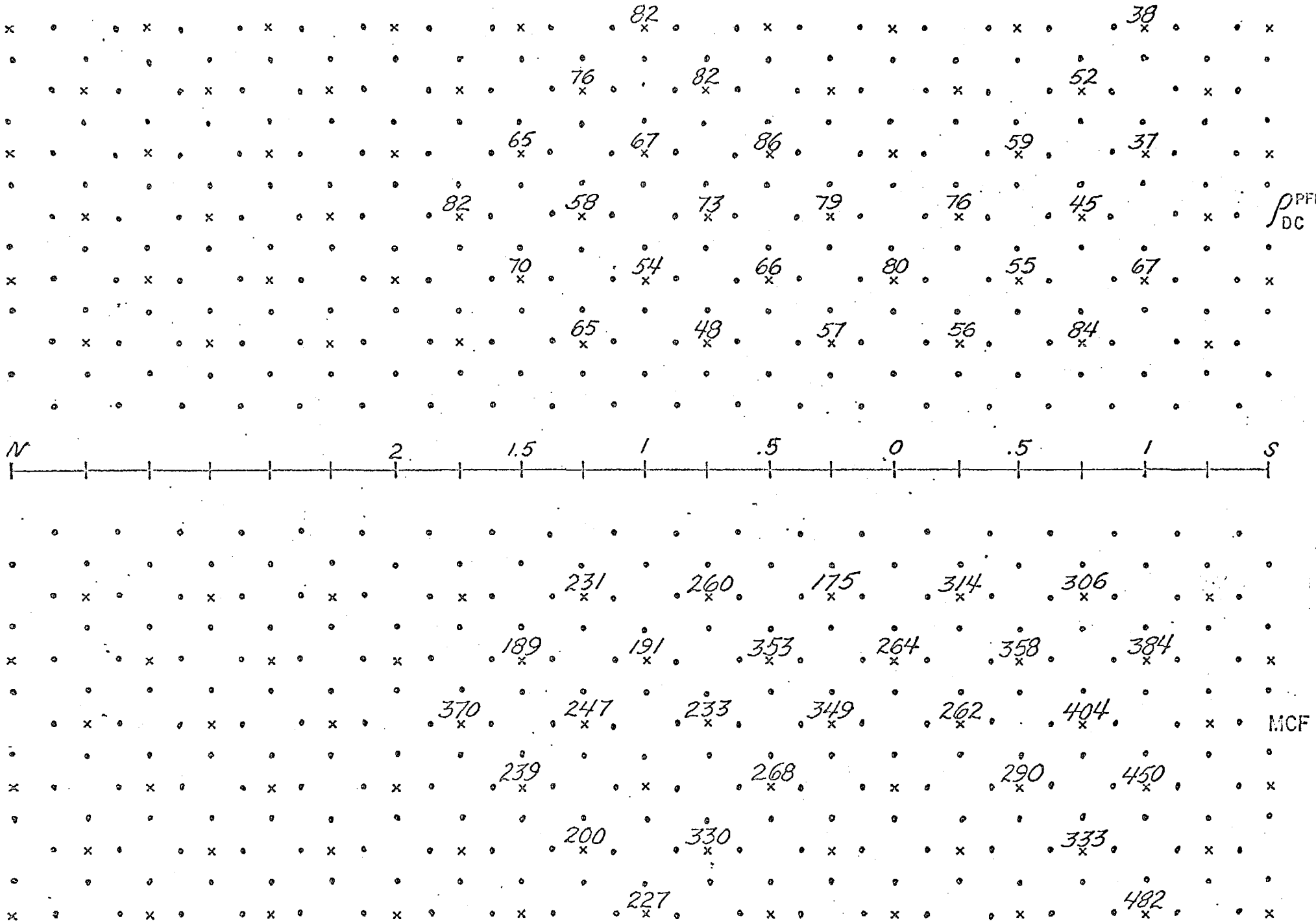
Dripping Springs Quartzite: Weak quartz-sericite alteration. Minor biotite and chlorite after biotite. Weak sulfide mineralization along fractures. Weak fracturing. No visible copper mineralization.

Diabase: Fine grained: moderate clay-sericite alteration and magnetite after ferromagnesian minerals 2-3% by volume. Sulfides 2-3% by volume mostly on fracture planes but also disseminated. Very rare visible chalcopyrite. Fracturing is weak.



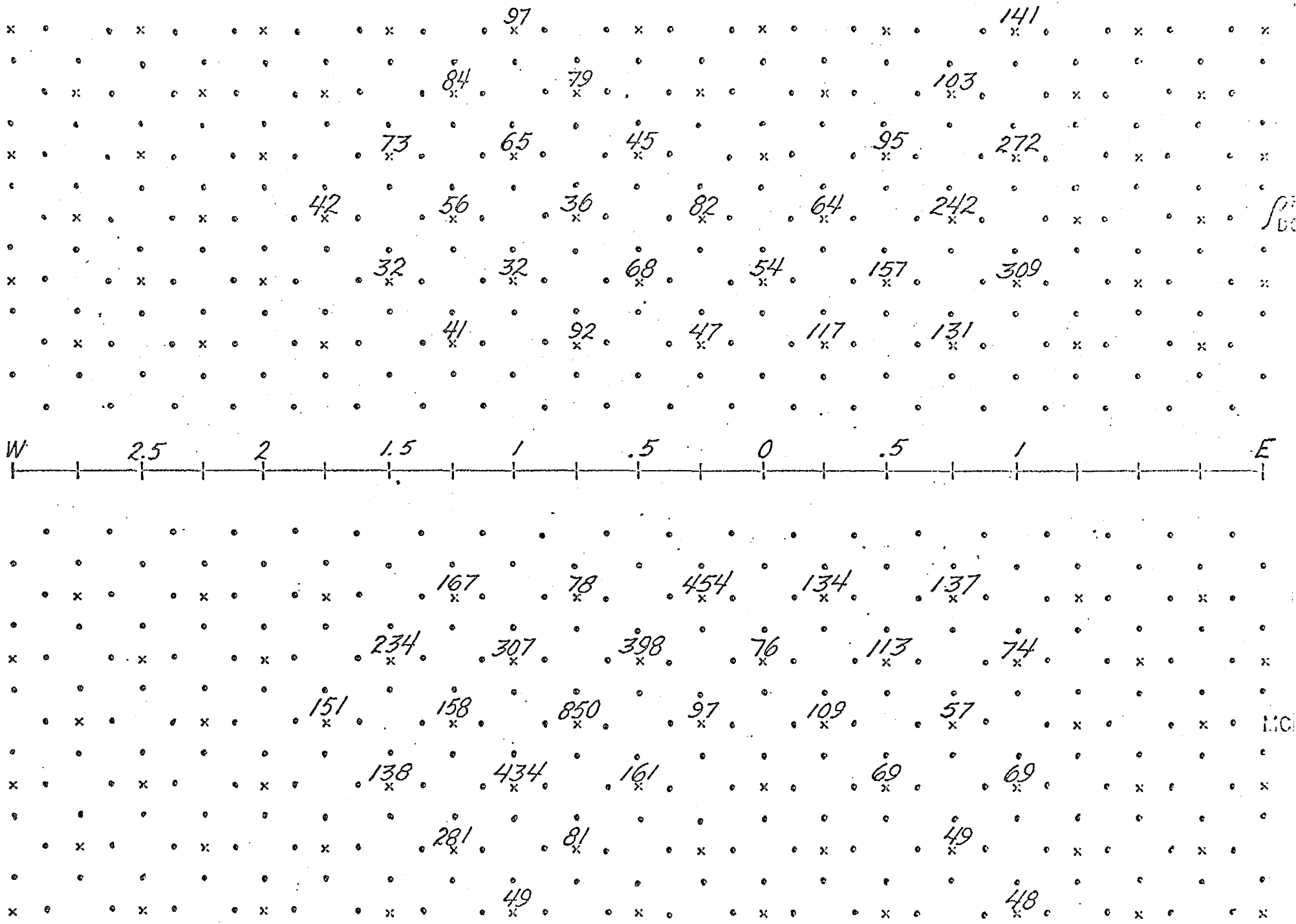
DIAGRAMMATIC SKETCH
SHOWING APPROXIMATE
LOCATION OF I.P. LINES

INDUCED POLARIZATION WORK SHEET



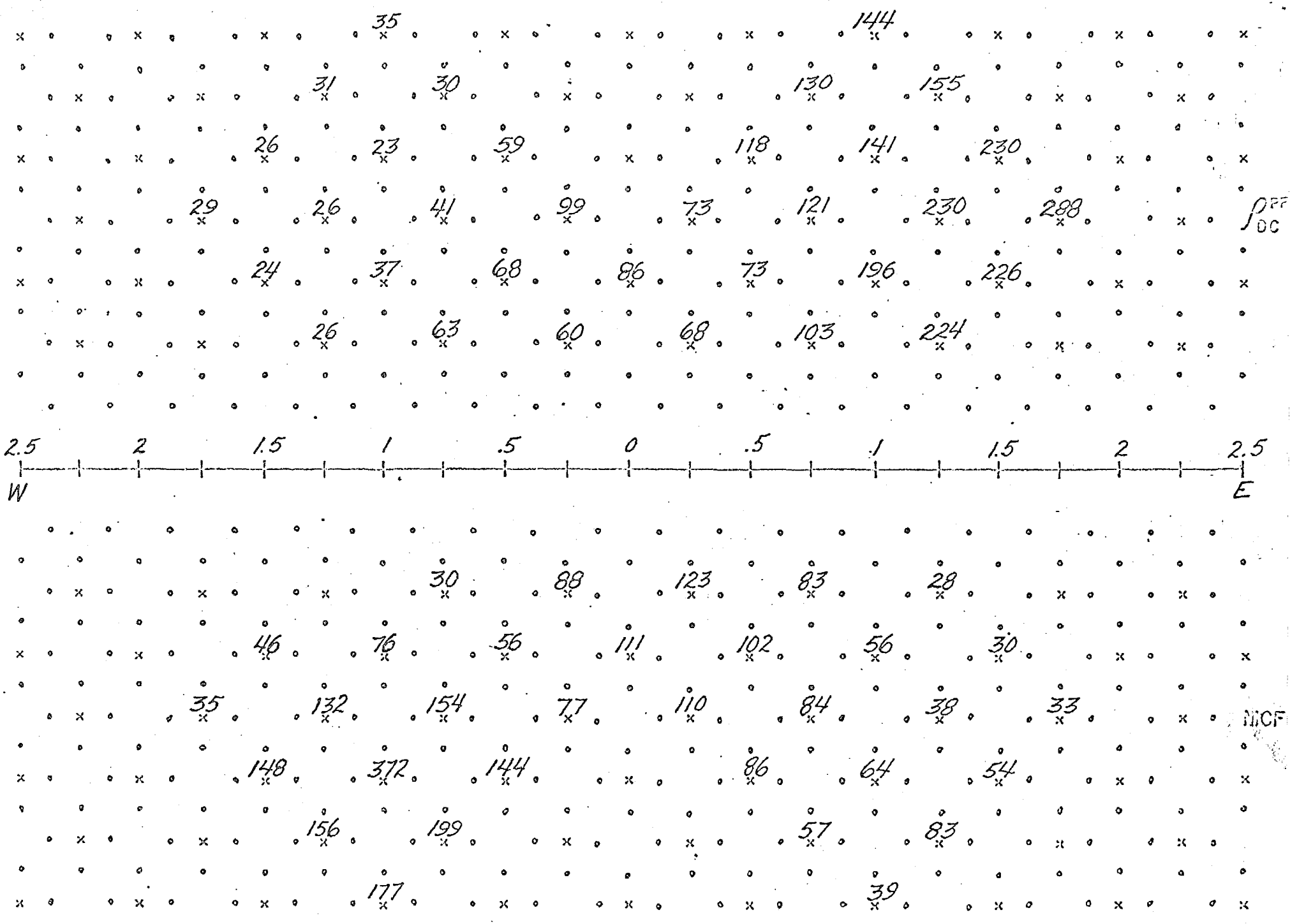
AREA CHILITO LINE NO. B SCALE 1" = 500 feet DATE

INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. II SCALE 1 inch = 500 ft. DATE

INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. I SCALE 1" = 500 feet DATE

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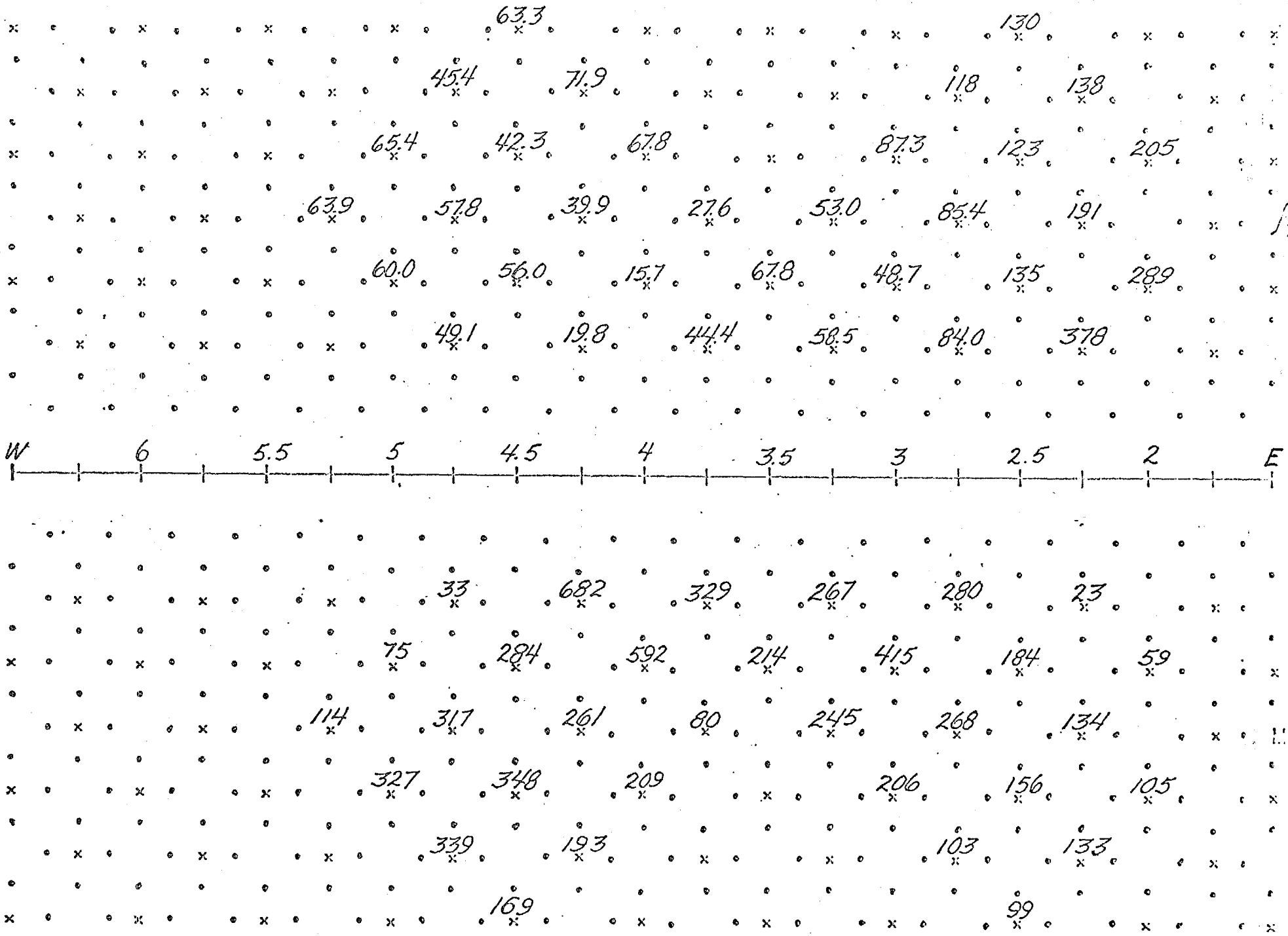
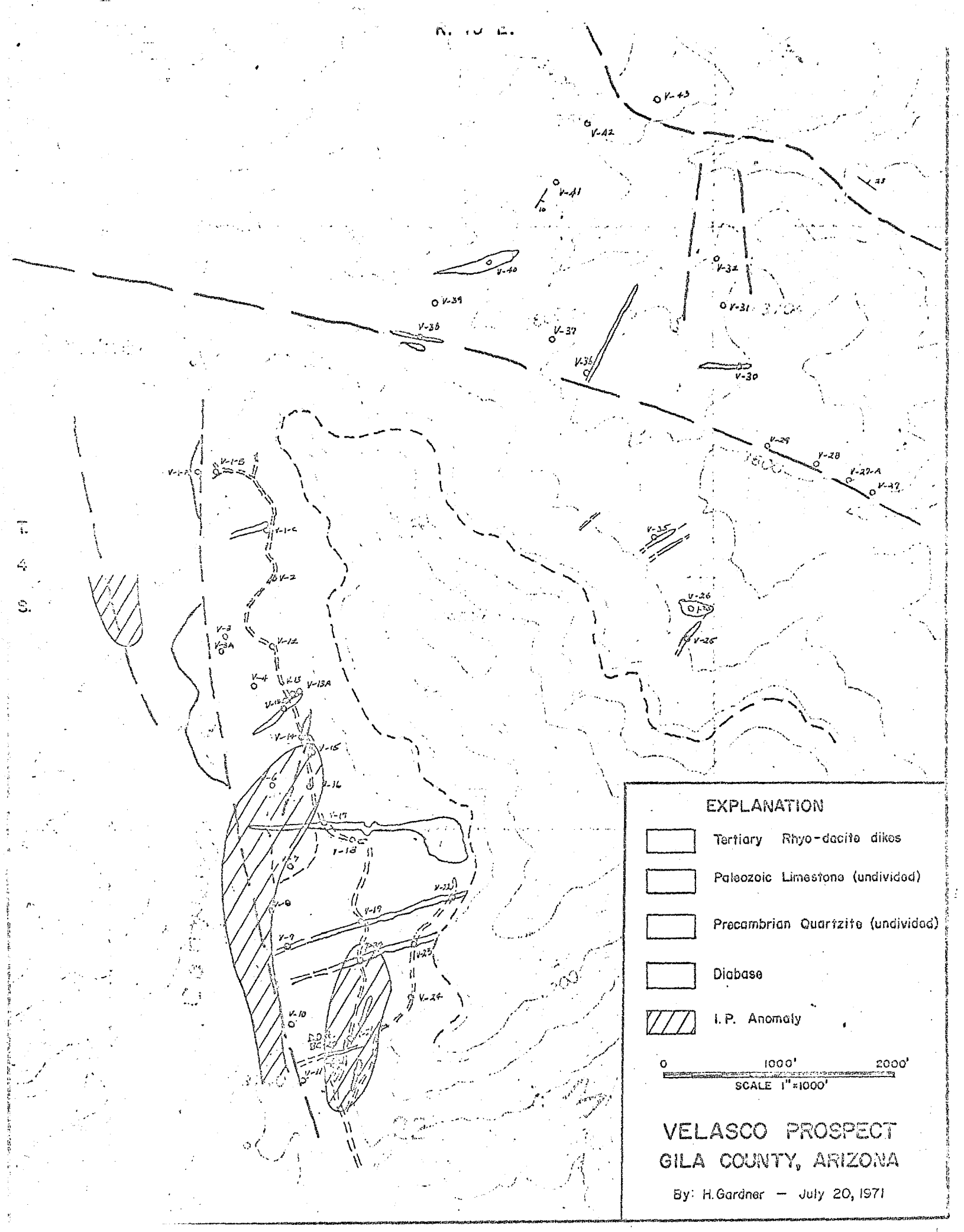
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. III SCALE 1" = 500 feet DATE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Paleozoic Limestone (undivided)
Precambrian Quartzite (undivided)
Diabase
I.P. Anomaly
0
1000'
2000'
SCALE 1" = 1000'
VELASCO PROSPECT
GILA COUNTY, ARIZONA
By: H. Gardner — July 20, 1971

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WILLIAM
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company

JOB# 009778 Continued
RECEIVED
REPORTED

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
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REGISTERED ASSAYER
CERTIFICATE
WILSON D. WRIGHT
Arizona U. S. A.

CHARGE $ 152.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

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1024 S. Plumer
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V-27 11647				71			5
V-27-A 11648				27			4
V-28 11649				36			3
V-29 11650				38			3
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V-31 11652				78			7
V-32 11653				28			7
V-35 11654				35			3
V-36 11655				50			4
V-37 11656				49			6

CHARGE _____

INVOICE

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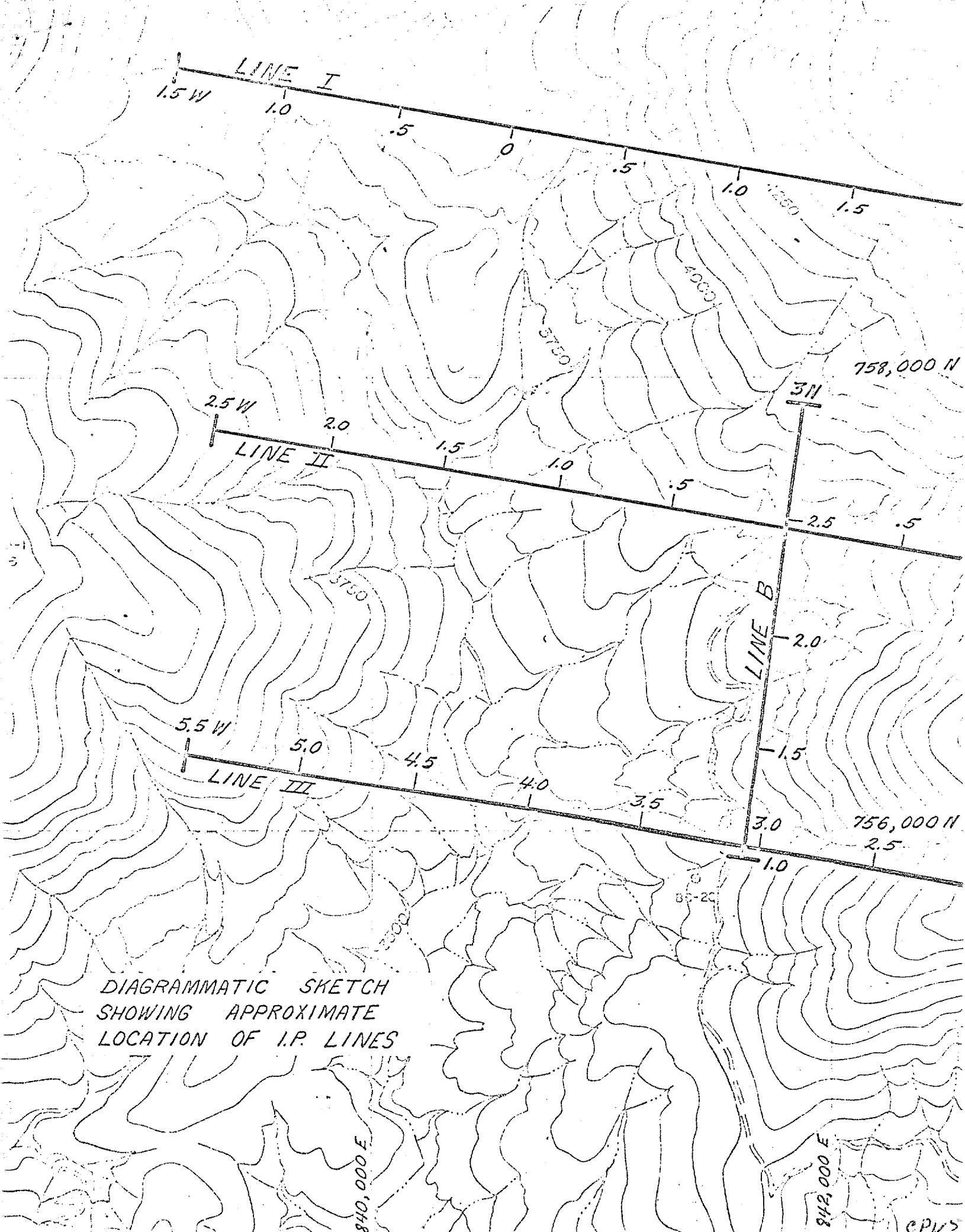
B 7384		.018		81			
C 7385		.016		58			
D 7386	< 1 ppm	.75		56			
E 7387				45			5
F 7388				67			4
G 7389				30			3
Glasco VIA 7390				25			3
VIB 7391				74			5
VIC 7392				47			3
V2 7393				53			2
V3 7394				72			6
V4 7395				55			4
V5 7396				190			8
V6 7397				115			7
V7 7398				65			6
V8 7399				71			5

REGISTERED ASSAYER
CERTIFICATE
58
ARTHUR F.
WRIGHT
Date Signed
Arizona U. S. A.

CHARGE $ 71.00

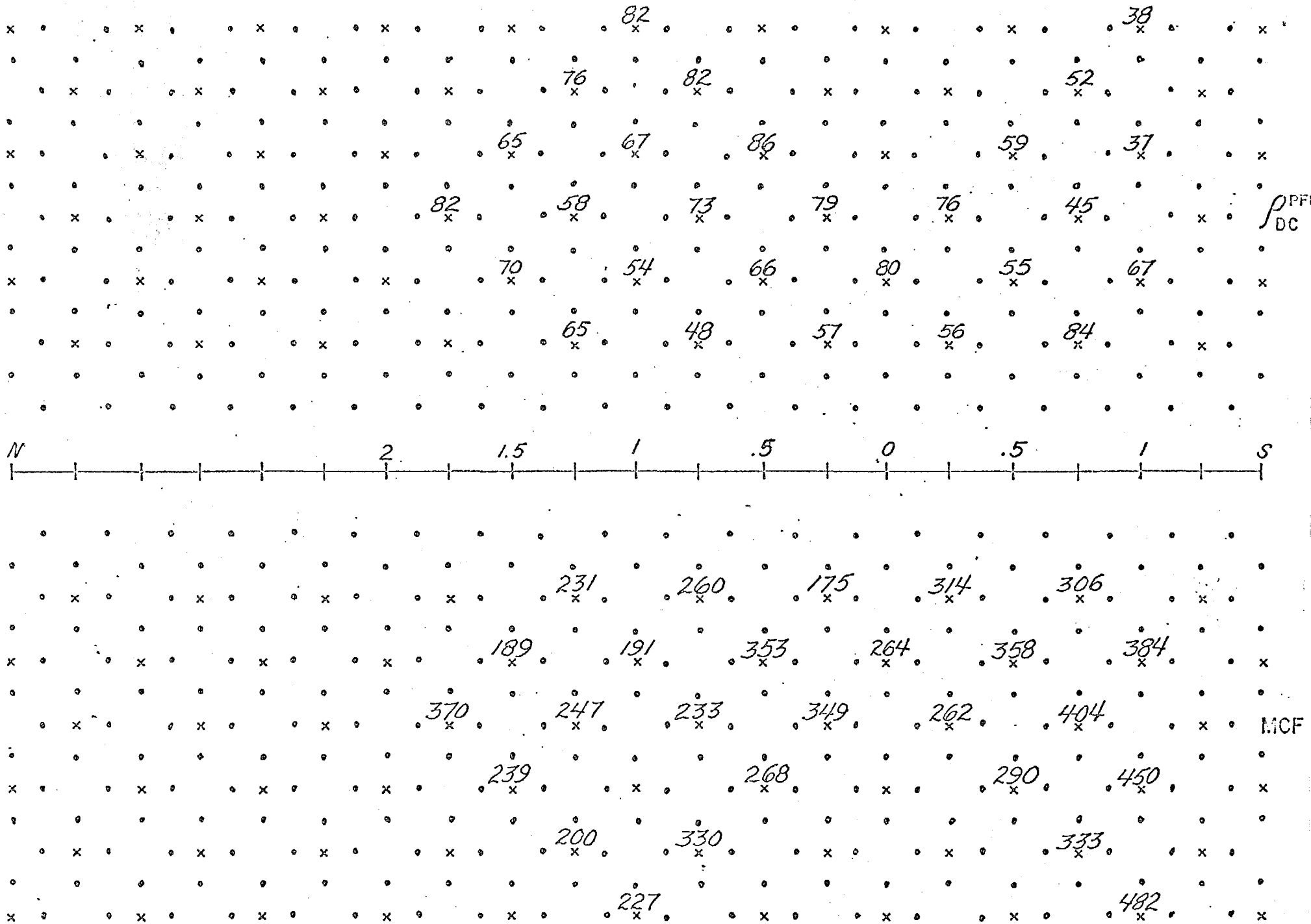
* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE



DIAGRAMMATIC SKETCH SHOWING APPROXIMATE LOCATION OF I.P. LINES

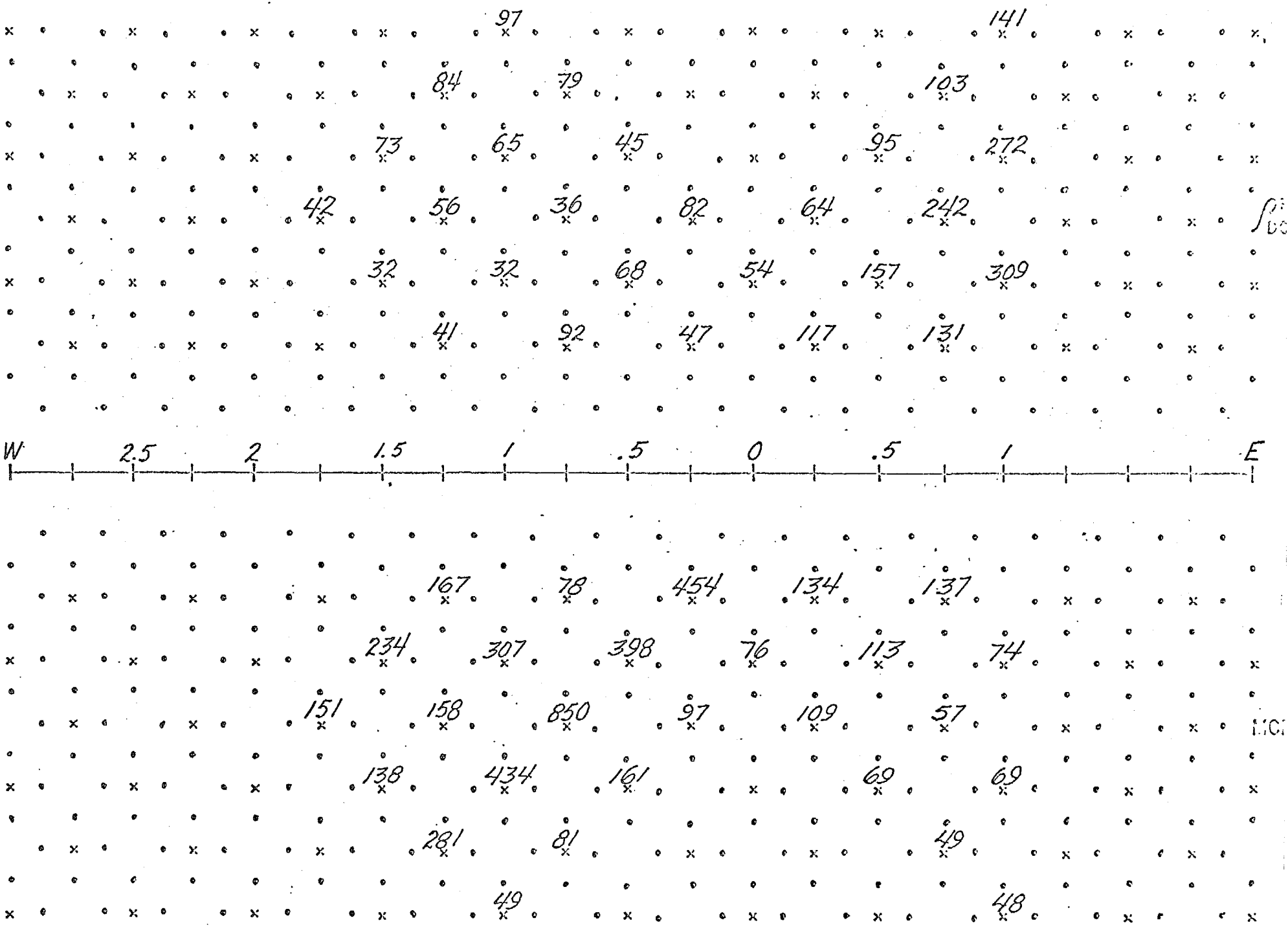
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. B SCALE 1" = 500 feet DATE

2 of 2

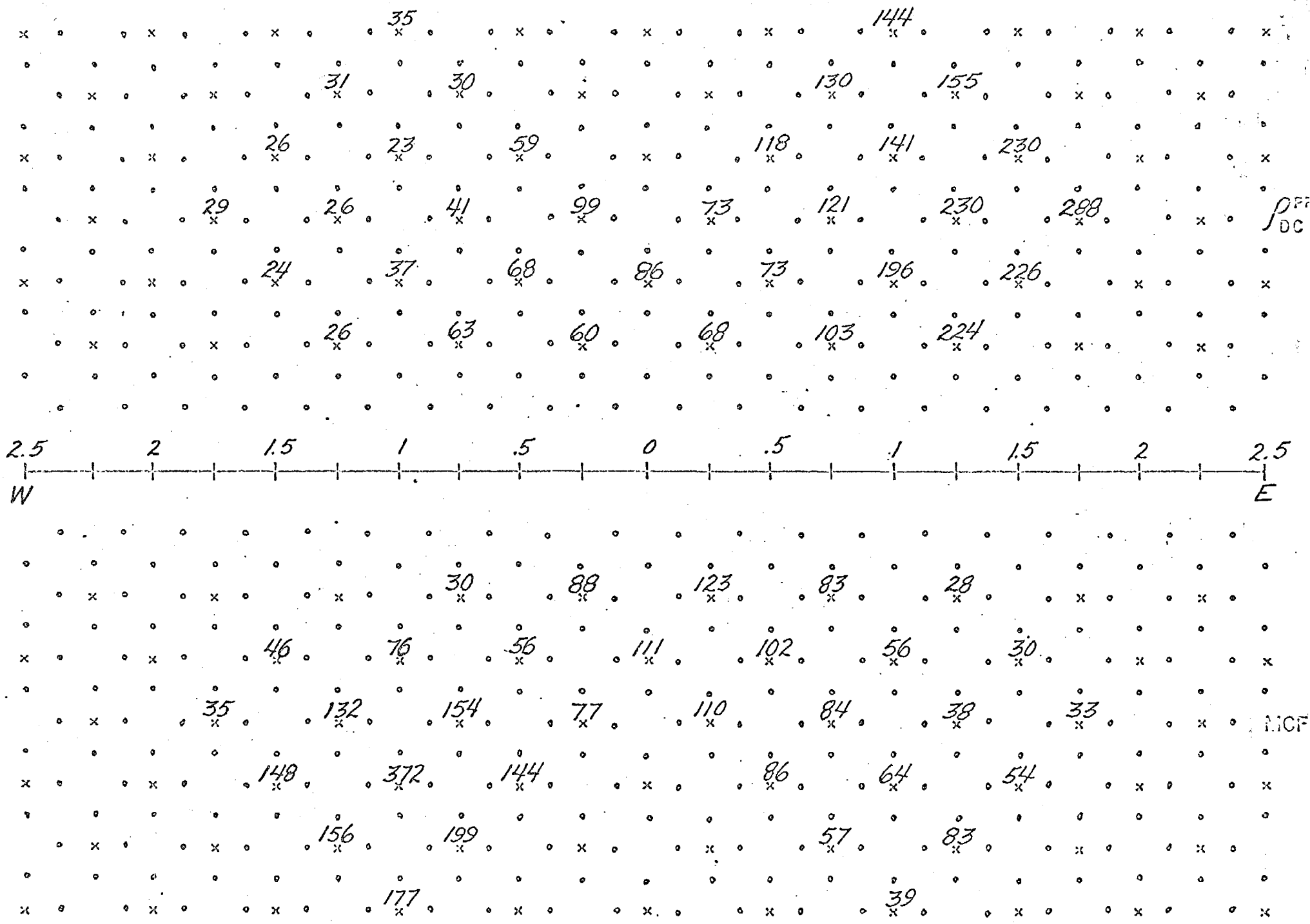
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. II SCALE 1 inch = 500 ft. DATE

COPY

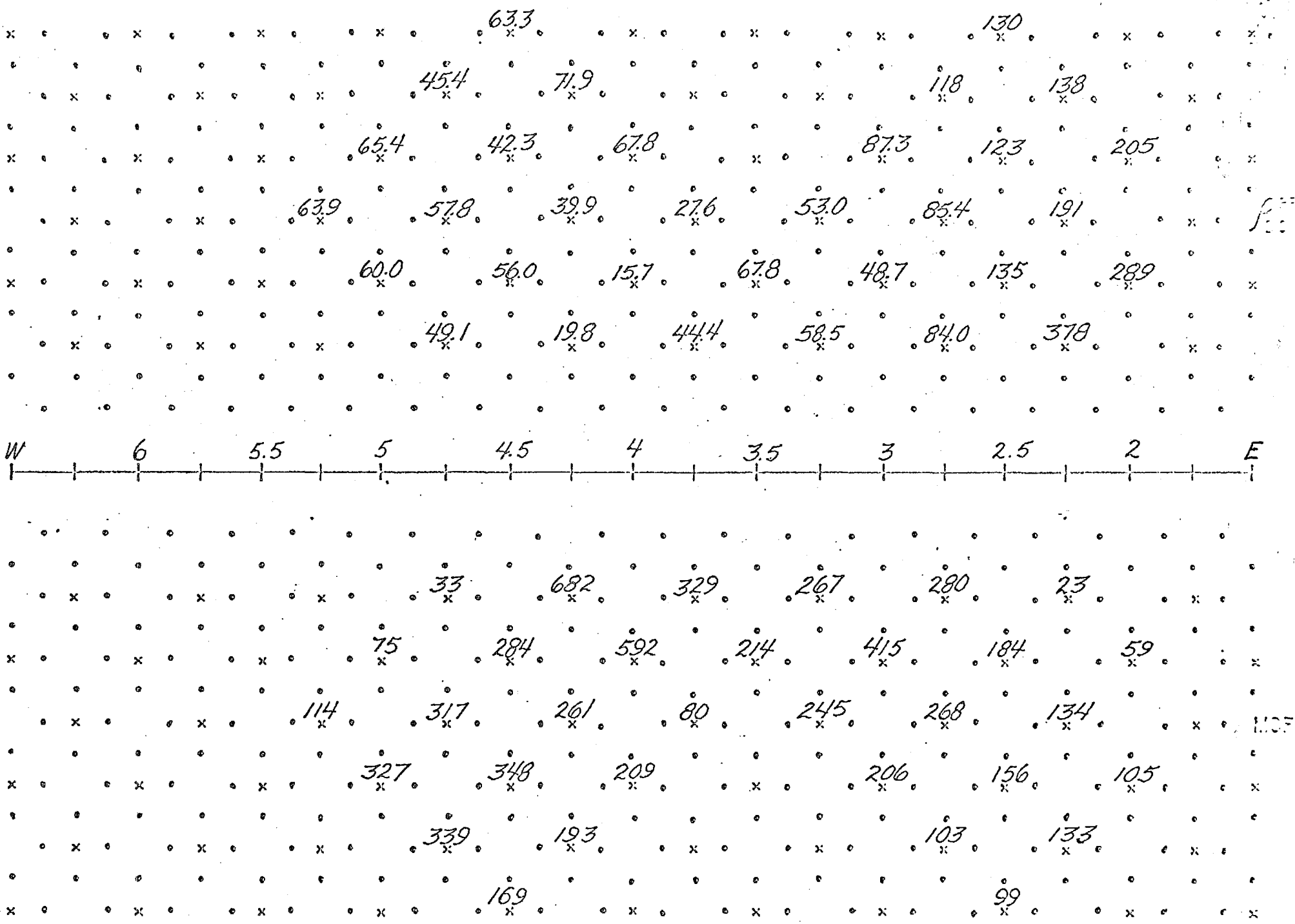
INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. I SCALE 1" = 500 feet DATE

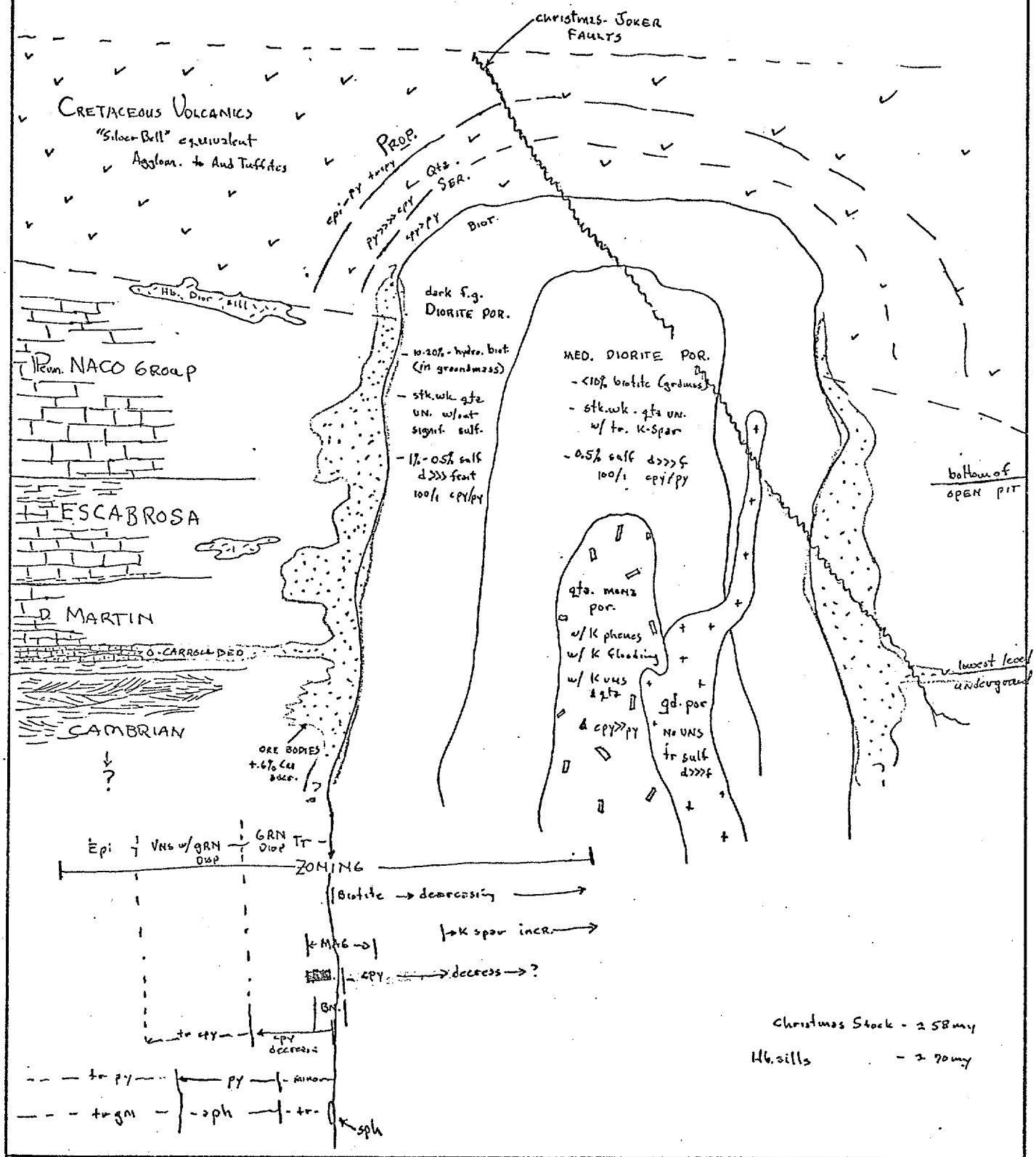
Q 1 0 8

INDUCED POLARIZATION WORK SHEET



AREA CHILITO LINE NO. III SCALE 1" = 500 feet DATE

IDEAL SECTION Thru RESTORED CHRISTMAS DEPOSIT



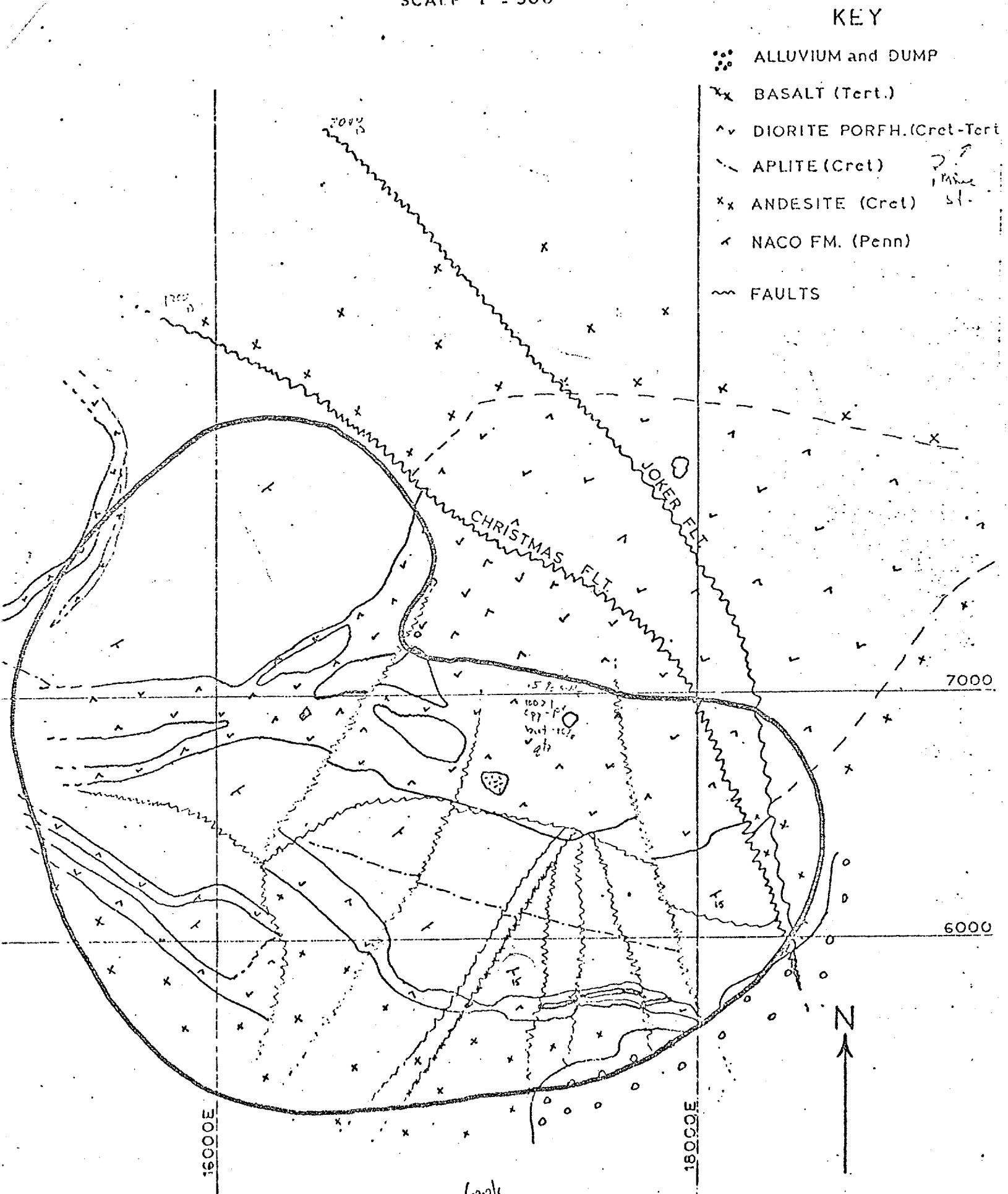
ASARCO INCORPORATED

area	data by	state	township-range	revisions-date
CHRISTMAS MINE	JRK	ARIZ		
		county Gila	map number	PLATE
title	drawn by JRK			
mining district BANNER	date Feb. 1977	contour interval		

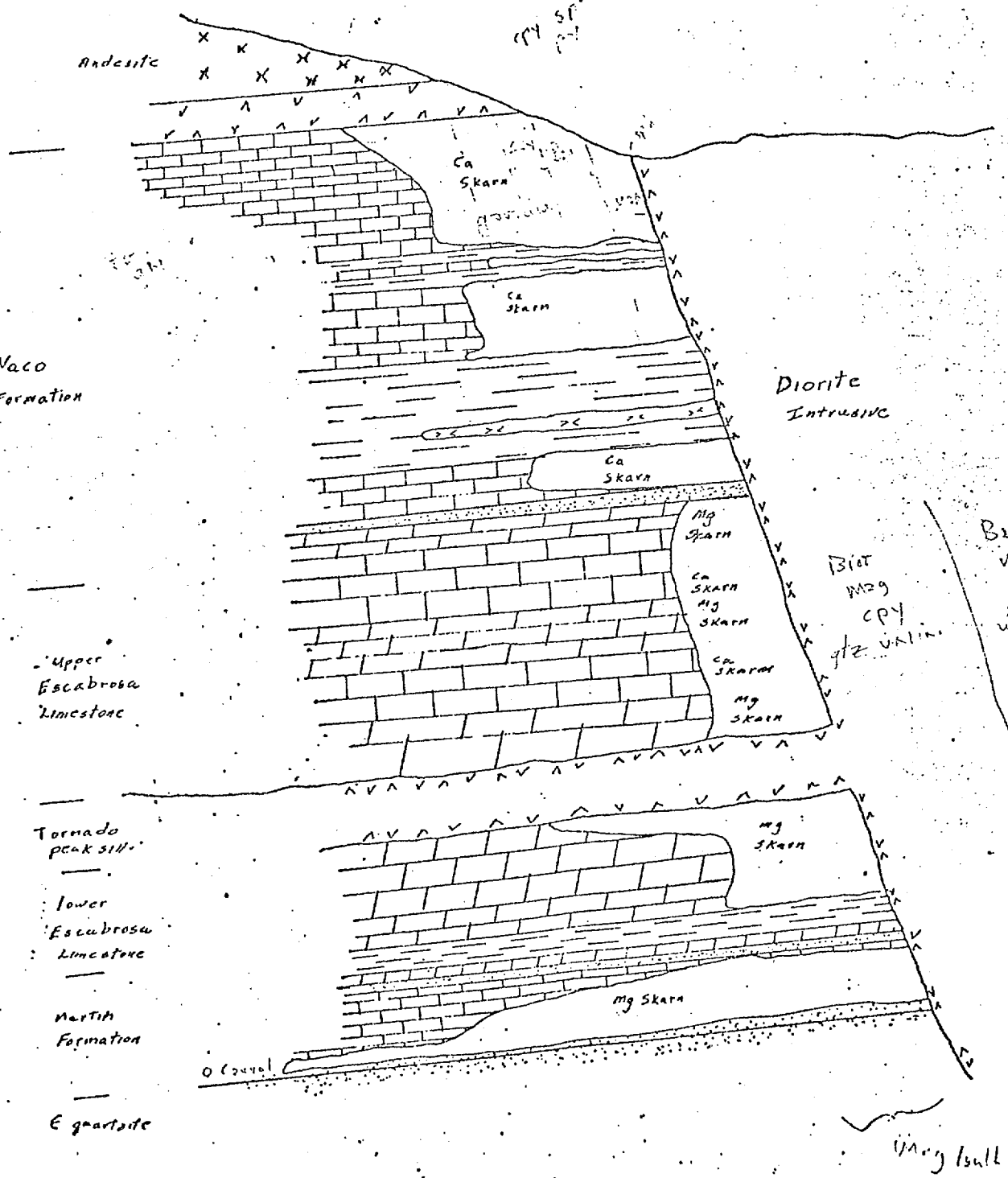
after tour comments.

GEOLOGY OF THE CHRISTMAS MINE

SCALE 1" = 500'



Generalized Christmas Stratigraphic Section



INSPIRATION CONSOLIDATED COPPER COMPANY

CHRISTMAS DIVISION

MINING INFORMATION

Mining Method: Open Pit (7-Day-24 Hour)
(Underground Operations ceased in 1966)

Pit Slope: 1 to 1 (20 ft. benches with safety bench every 40')

Stripping Ratio: 5.0 to 1.0

Mill Capacity: 5,600 TPD

Recovery Method: Sulfide Flotation

Average Ore Grade: 0.60% Cu

Ore Reserves (lbs. of cu): Open Pit - 251,000,000 lbs.*
Underground - 567,000,000 lbs.*

Equipment: Drills: 2 Robbins Rotary
1 Ingersoll-Rand Rotary

Trucks: 16 Caterpillar 769B 35 ton

Loaders: 7 Caterpillar 988 w/6 yd bucket

*Ore Reserves from 1975 Inspiration Annual Report

2oz /ton .1oz Au /ton concen

.2-.5 Zn

Geol Info -

For additional space use extra sheets

Petrographic studies & detailed mapping by N G Banks showed that the Chibito Mine (a small porphyry copper deposit) and two other copper deposits, the New Year prospect and the Christmas mine, occur along the same distinctive dikes within an east-west dike swarm. The dike swarm & perhaps the Chibito deposit are cut on the east side of Digging Spring Mtn by the Keystone fault which has local stratigraphic offsets of as much as 3,000 ft. Dikes of the distinctive type on the north edge of the swarm have associated Pb-Zn mineralization where they cut limestones. Similar dikes that also have Pb-Zn mineralization where they cut limestone occur on the west side of the fault at the 79 Mine about a mile south of their projected position if the fault had only dip slip movement.

This suggests that the hanging-wall part of the Chibito deposit may have been offset sinistrally one mile south along the east side of the Keystone fault and is now covered by Tertiary basin-fill material.

The area seems suitable for study by geophysical methods.

p.8, USGSPP 850.

SCHOOL NIGHT FOR SCOUTING
September 24, 1974

TOLSON SCHOOL

PROGRAM

Unit Arrival Time 6:30

A. Units set up tables, lay out materials.
Need several pens.
Need $10.00 worth of change $1 bills and 50¢ pieces.
Put up unit sign.
Check out unit on filling out of forms.

B. Set up projector and screen for film: Powell and the Colorado River.

Doors Open to Public 7:00

A. Scout and Cubmasters greet each family with handshake.

B. Have parents sign in.

C. Show parents and boys proper Cub and Scout sign up table.

FILM (Optional - Depends upon time)

Start of Program:

A. Opening Flag Ceremony -- Troop 285, Mr. Jack Patton.
B. Brief Welcome and Opening Remarks. (JD Sell)
C. Introduction of Mr. Jack Patton, Scoutmaster Troop 385.
   a. Give Troop information, leadership name, address & phone.
   b. Unit meeting place, time, and date.
   c. Unit policies and procedures.
   d. Talk on adult participation--especially slots you need to fill.
   e. Introduction of Troop boys and adults.
D. Introduction on Mr. Steven Corrales, Jr., Cubmaster Pack 385.
   a. Same as a through e above in part C.
E. Brief comments on Camping Program (TA or JD Sell)
   Camporee (Fall and Spring), Summer Camps (Lawton and Victoria), Double V, Pimaree, Philmont, National and World Jamborees.
F. (JD Sell) - Announce the tables for sign up will be open after the closing. Emphasize adult (Men and Women) participation. Encourage discussions with scout, cubs, and adult leaders after closing.
G. Closing song by Cubpack 385.
H. Rearrange and Clean Up Area.
I. Collect applications, sign in sheets, and money (return change put in by units).
J. Turn in to District at Salvation Army.

THANKS TO ALL