6-Cm-1

PATENTED CLAIMS

KEY	NAME	SURV. No
1	GUAJOLOTE	22
2	TRENCH	28
3	" M.S.	29
4	ENTERPRISE	71
5	ALTA	84
6	W. EXT'N. ENTERPRISE M.S.	122
7	AMERICAN	140
8	SALVADOR	498
9	HERMOSA	499
10	BLUFF	500
11	PAYMASTER	700
12	" M.S.	701
13	JANUARY	745
14	1ST EXT'N. W. ENTERPRISE	769
15	EASTERN "	770
16	NORTON	929
17	GOLDEN GATE	2027
18	EL PUEBLO	2190
19	JUNIPER	"
20	MOWRY	"
21	" CAMP	"
22	" No 1	"
23	" " 2	"
24	" " 3	"
25	" " 4	"
26	" " 5	"
27	PARK	"
28	" VIEW	"
29	OAK	"
30	ASH	2193
31	CEDAR	"
32	KNOB	2225
33	REFUGIO	2226
34	MOWRY No 6	2227
35	ROADSIDE	2364
36	BONNIE CARRIE	2952
37	BLUE ROCK	3689
38	" " No 4	"
39	" " " 5	"
40	" " " 6	"
41	" " " 7	"
42	" " " 8	"
43	FRACTION	"
44	MINNIE SMITH	4117
45	HARDSHELL No 7	4222
46	JOSEPHINE	"
47	TRENCH No 2	"
48	" " 3	"
49	" " 4	"
50	" " 5	"
51	" " 6	"
52	" " 7	"
53	" " 8	"
54	" EXTENSION No 1	"
55	" " " 2	"
56	" " " 3	"
57	" " " 4	"

SURFACE OWNERSHIP

- JOSEPH C. BACON
- A.S. & R. CO.
- BERT LOGAN
- PERRIN PROPERTIES INC.
- JACK A. GROSS
- GROVER MARSTELLAR
- RICHARDSON REAL ESTATE CO.
- MRS. EVA HENDERSON
- D. & L. ROBINSON
- CHARLES R. SICKLES
- NORMAN HALE
- VAUGHN BANTA
- HERMA LEHAN
- A. B. SORRELS
- NATIONAL FOREST
- ERNEST BEST
- THREE "R" MINES

SURFACE OWNERSHIP
NORTHERN PORTION
PATAGONIA AREA
SANTA CRUZ COUNTY, ARIZONA

SCALE 1" = 1000' ±

6-Cm-1

DRILL HOLES PLACED FROM MEASUREMENTS TAKEN OFF 1/1000 COMPOSITE MAP

CLAIM LINES PLACED FROM SAME DATA SOURCE

E. M. PHASE ANGLE DIFFERENCE of 400 cycle galvanic, 100' dual coil, average observed component, relative field intensity gradient.

Tucson Office Copy

MINERALS EXPLORATION COMPANY

AREA C-G, PETE, BLOCK "B" (South)

SECTION 28-33 TOWNSHIP 19S RANGE 25E

TYPE SURVEY — ELECTROMAGNETIC, PHASE ANGLE

CONTOUR INTERVAL — ONE DEGREE

INTERPRETATION BY

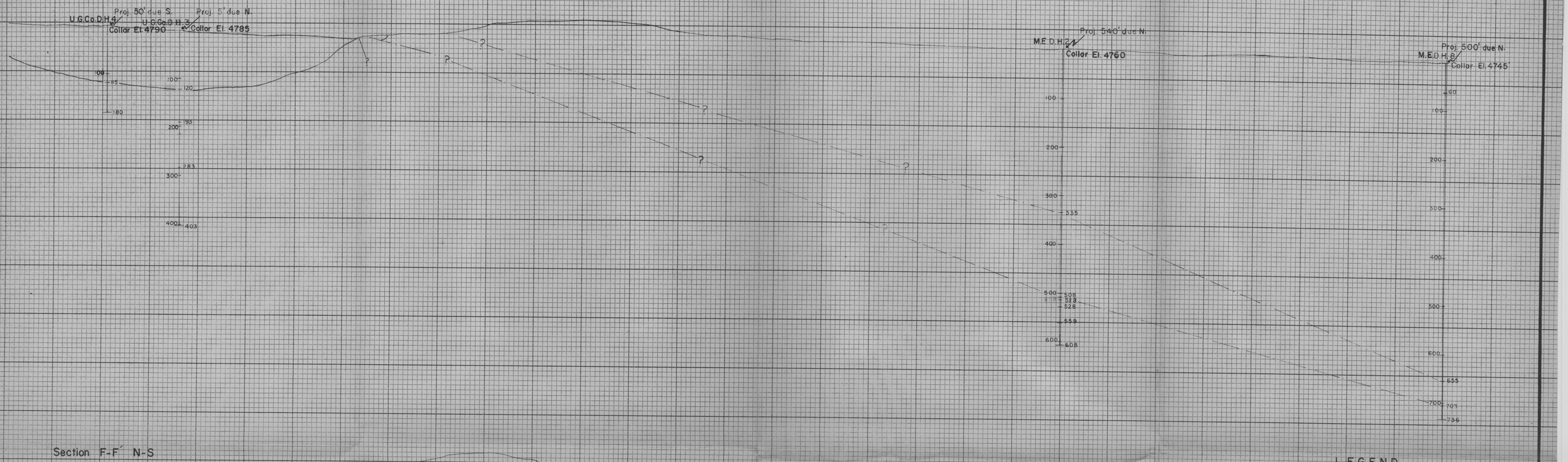
SCALE — 1 INCH = 100 FEET

DATE — JANUARY 23/1/58

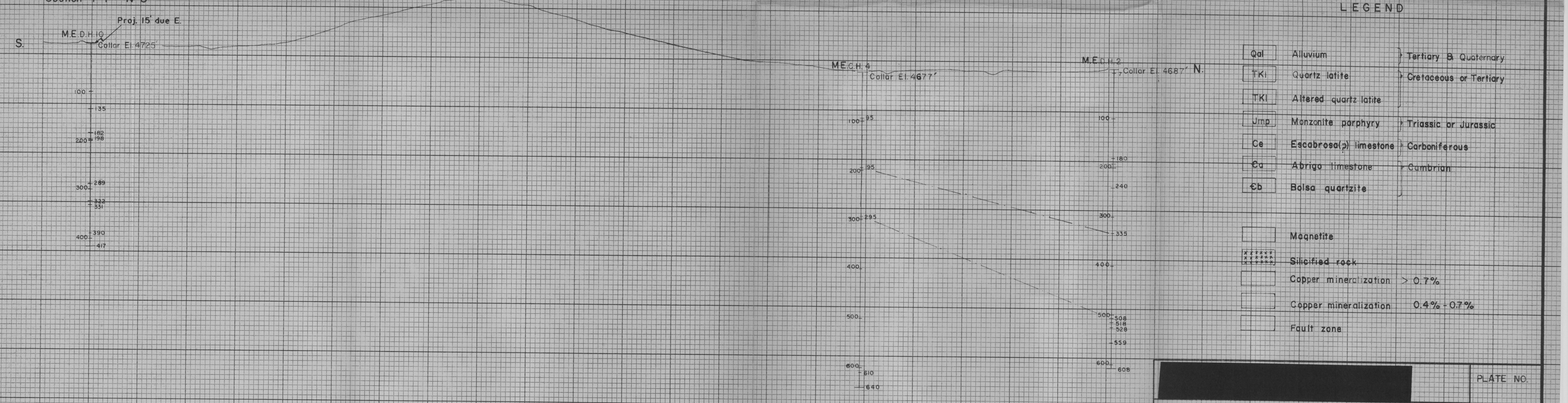
FOR TUCSON OFFICE

DETAIL TO SOUTH TO CONTINUE

Section E-E´ E-W



Section F-F´ N-S



LEGEND

Qal	Alluvium	Tertiary & Quaternary
TKl	Quartz latite	Cretaceous or Tertiary
TKl	Altered quartz latite	
Jmp	Monzonite porphyry	Triassic or Jurassic
Ce	Escabrosa(?) limestone	Carboniferous
Cu	Abrigo limestone	Cambrian
Cb	Bolsa quartzite	

- Magnetite
- Silicified rock
- Copper mineralization > 0.7%
- Copper mineralization 0.4% - 0.7%
- Fault zone

[redacted]

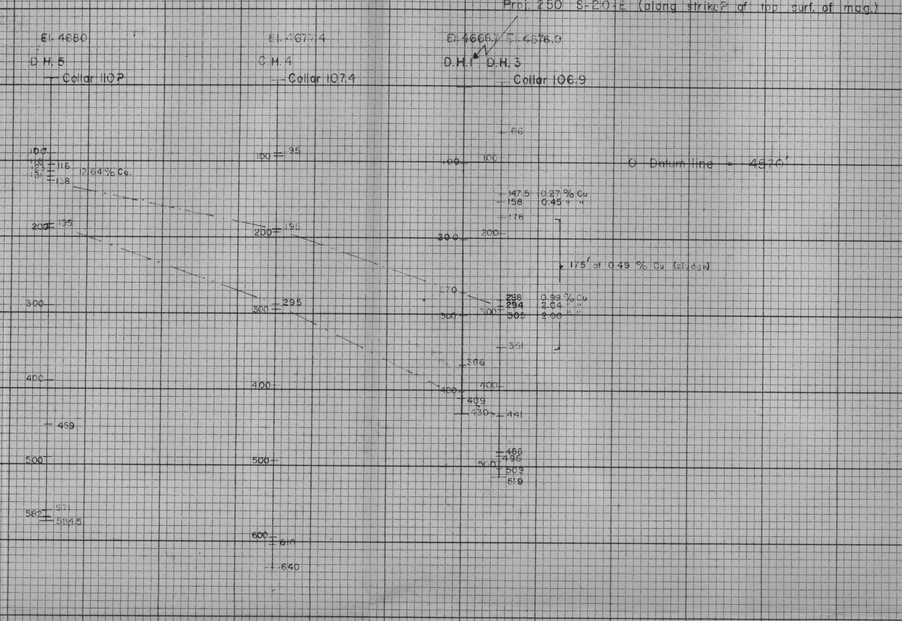
PLATE NO. 7

COURTLAND-GLEESON AREA, ARIZONA
MINERAL EXPLORATION CO. PROPERTY

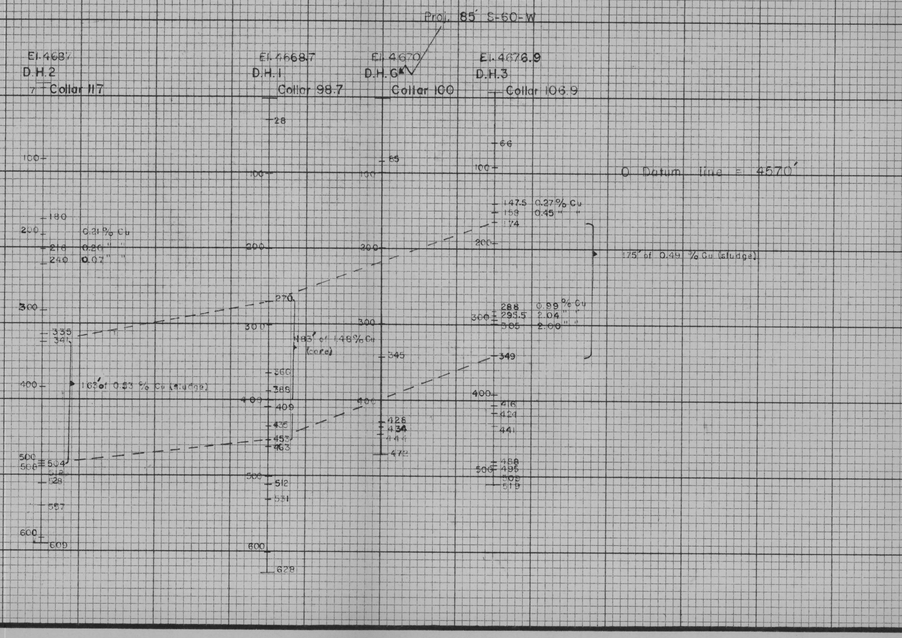
Sections E-E´, F-F´, shown on Plate no. 5.

DATE JULY 17, 1958 SCALES: HORIZ. & VERT. 1in.= 100 ft. COMPILED BY: W.M.P.K.

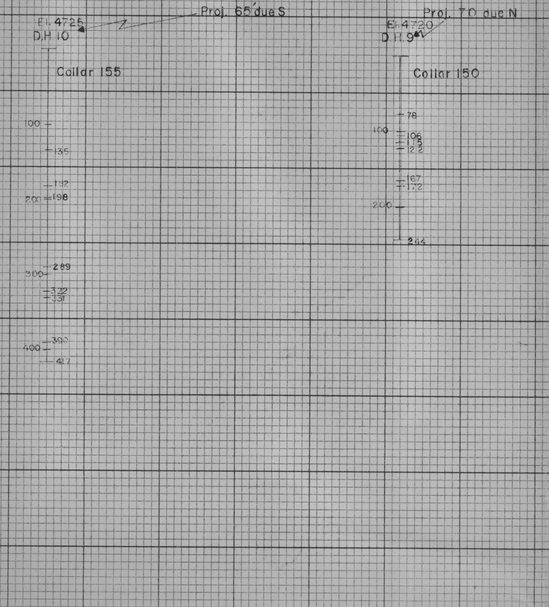
Section A-A' E-W



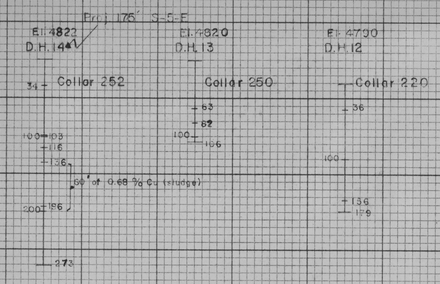
Section B-B' N-30-W



Section C-C' E-W



Section D-D' N-85-E



LEGEND

Qal	Alluvium	Tertiary & Quaternary
TKl	Quartz latite	Cretaceous or Tertiary
TKl	Altered quartz latite	
Jmp	Monzonite porphyry	Triassic or Jurassic
Ce	Escabroso(?) limestone	Carboniferous
€a	Abrigo limestone	Cambrian
€b	Bolsa quartzite	

- Magnetite
- Silicified rock
- Copper mineralization < 0.4 %
- Copper mineralization > 0.4 %
- Fault zone

BEAR CREEK MINING COMPANY
SOUTHWEST DISTRICT

PLATE NO. 6

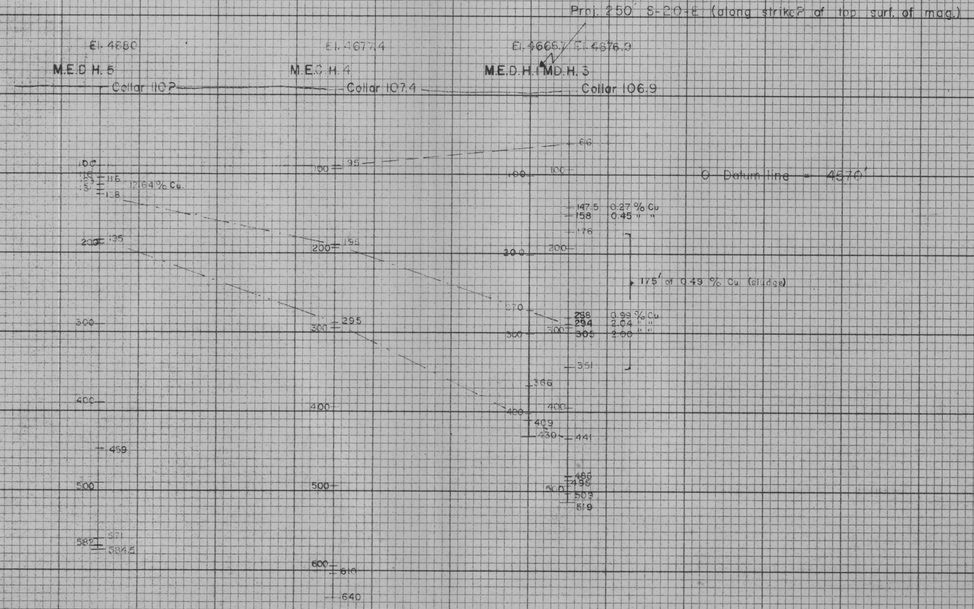
COURTLAND-GLEESON AREA, ARIZONA
MINERAL EXPLORATION CO. PROPERTY

Sections: A-A, B-B, C-C, D-D, shown on Plate no. 5

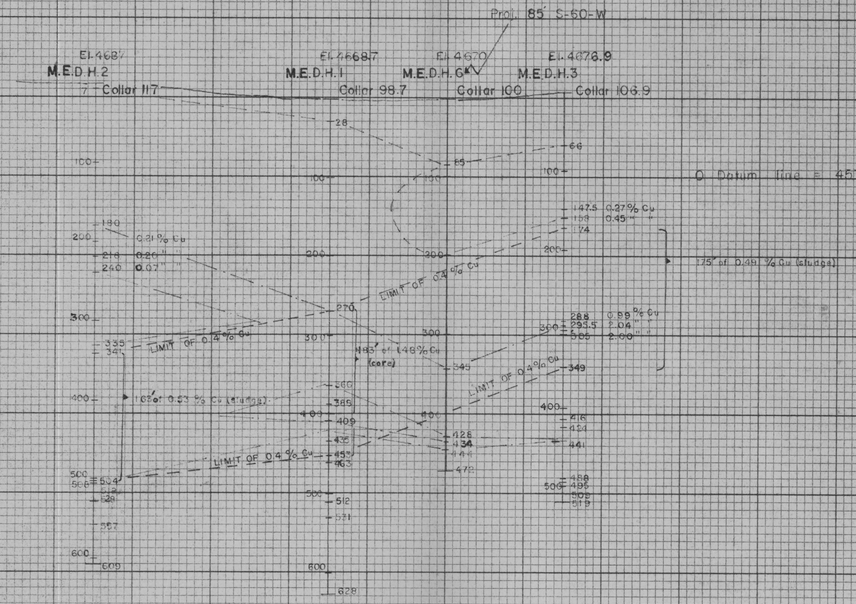
DATE JULY 7, 1956 HORIZ. & VERT. SCALES 1in=100ft. COMPILED BY: W.M., R.K.

Eops Minerals Exploration Co.

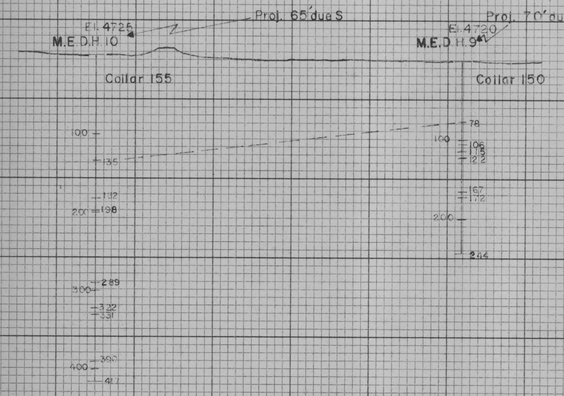
Section A-A' E-W



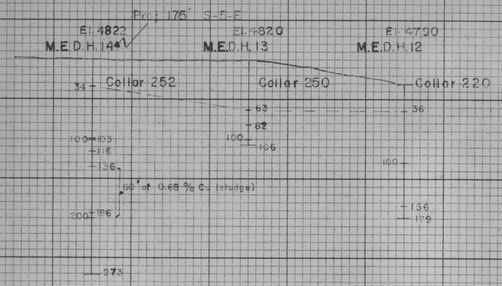
Section B-B' N-30-W



Section C-C' E- W



Section D-D' N-85-E



LEGEND

Qal	Alluvium	Tertiary & Quaternary
TKl	Quartz latite	Cretaceous or Tertiary
TKl	Altered quartz latite	
Jmp	Monzonite porphyry	Triassic or Jurassic
Ce	Escabrosa(?) limestone	Carboniferous
€a	Abrigo limestone	Cambrian
€b	Bolsa quartzite	
	Magnetite	
	Silicified rock	
	Copper mineralization	0.4 %-0.7 %
	Copper mineralization	> 0.7 %
	Fault zone	

[redacted]

PLATE NO. 6

COURTLAND-GLEESON AREA, ARIZONA
MINERAL EXPLORATION CO. PROPERTY

Sections: A-A, B-B, C-C, D-D, shown on Plate no. 5

DATE JULY 12, 1958 | HORIZ & VERT. SCALES 1IN=100FT | COMPILED BY: W.M. A.K.

COURTLAND – GLEESON
JUNE 1957 T.19S. – R.25E.

Report

MINERALS EXPLORATION COMPANY

AREA COURTLAND – GLEESON

SECTION ____ **TOWNSHIP** 19S. **RANGE** 25E.

TYPE SURVEY E.M. Phase Angle

CONTOUR INTERVAL one degree

INTERPRETATION BY P.A.M.

SCALE 1" = 500'

DATE ~~2/6/58~~ 3/18/58

New info consists of EM Sta Locations & Electrode pits Drill holes

LEGEND

PROFILE POINT ---------- o

MINERALS EXPLORATION CLAIM POST ----- o

BASE LINE ----------

RELATIVE PHASE ANGLE CONTOUR

MINERALS EXPLORATION COMPANY
AREA C-G PETE

SECTION 28 TOWNSHIP 19S RANGE 25E

TYPE SURVEY E.M. RELATIVE PHASE ANGLE
CONTOUR INTERVAL ONE DEGREE
INTERPRETATION BY DAT
SCALE 1" = 100 FEET
DATE SEPT. - OCT., 1957

E.M. PHASE ANGLE DIFFERENCE of 1000 cycle galvanic, 100' dual coil, average observed vertical component, relative field intensity gradient.

INFORMATION

GEOLOGY

ALLUVIUM	LIMESTONE (ABRIGO)
LATITE	BOLSA QUARTZITE
GRANITE (STRONG.)	PINAL SCHIST
BISBEE	BASALT PORPHYRY
MONZONITE PORPHYRY	LIMESTONE (COLINA-PERMIAN)
NACO	GRANITE (TURQ.)
LIMESTONE (ESCABROSA & MARTIN)	

Field Office Copy

MINERALS EXPLORATION COMPANY
AREA COURTLAND – GLEESON

SECTION ___ **TOWNSHIP** 19S. **RANGE** 25E.

TYPE SURVEY	E.M. Phase Angle
CONTOUR INTERVAL	ONE degree
INTERPRETATION BY	P.H.M.
SCALE	1" = 500'
DATE	2/6/58

2/58 EGH

LEGEND

PROFILE POINT

MINERALS EXPLORATION CLAIM POST

BASE LINE

Proposed future S.P. Profiles

Field Copy

MINERALS EXPLORATION COMPANY

AREA C-G ASTIC

SECTION 28 TOWNSHIP 19S RANGE 25E

TYPE SURVEY S.P.

CONTOUR INTERVAL 25 M/N

INTERPRETATION BY E.G.H.

SCALE 1" = 100 FEET

DATE 3/11/58

INFORMATION

GEOLOGY

	ALLUVIUM	Ca	LIMESTONE (ABRIGO)
Tki	LATITE	Cb	BOLSA QUARTZITE
Tg	GRANITE (STRONG.)	pCp	PINAL SCHIST
Kb	BISBEE	Qtb	BASALT PORPHYRY
Jmp	MONZONITE PORPHYRY	Pc	LIMESTONE (COLINA - PERMIAN)
Cn	NACO	Gt	GRANITE (TURQ.)
Ce, dm	LIMESTONE (ESCABROSA & MARTIN)		

This area data is in question. (dry ground ? Techniques)

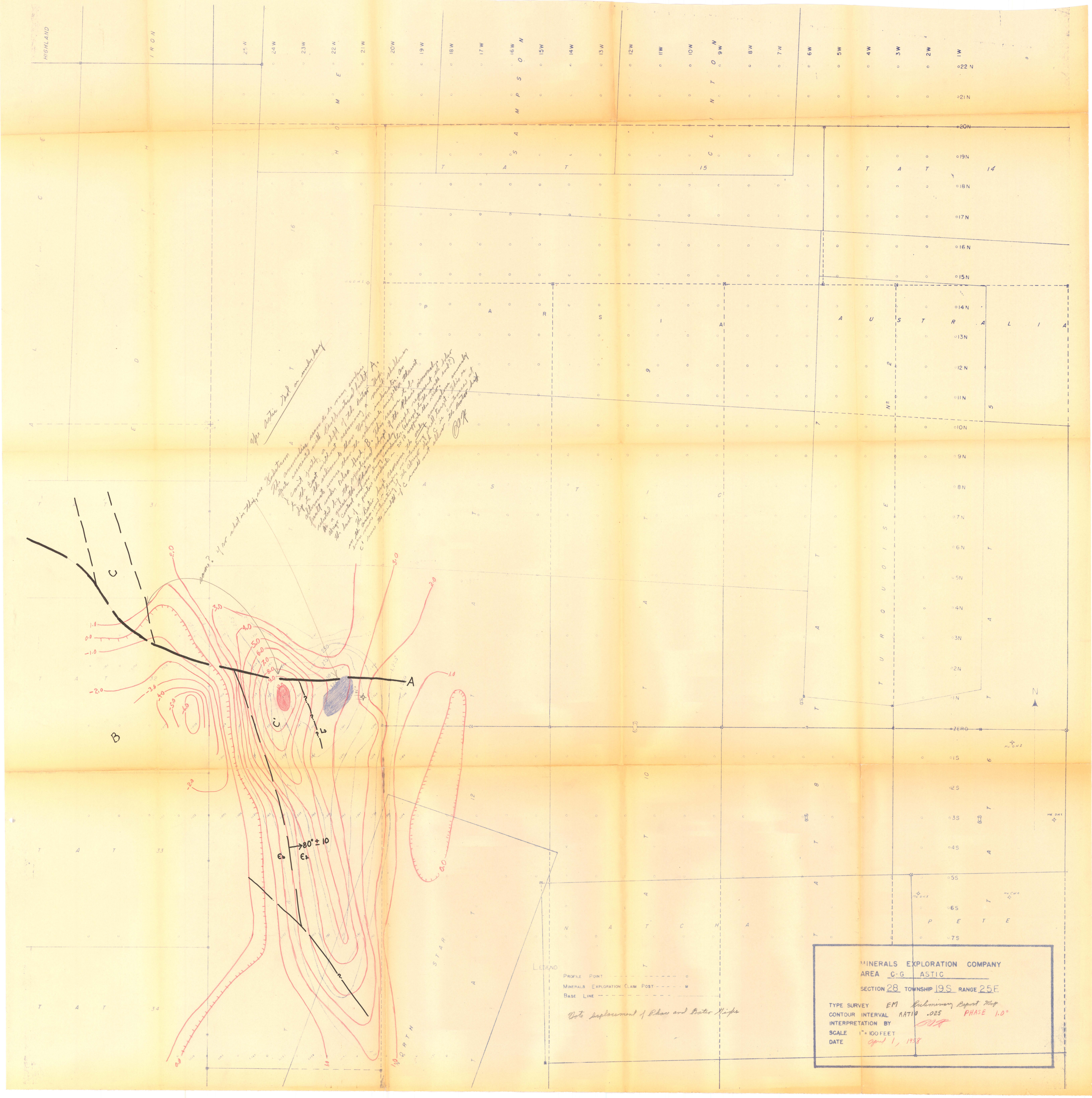
Eng. Office Copy Report

MINERALS EXPLORATION COMPANY
AREA COURTLAND – GLEESON

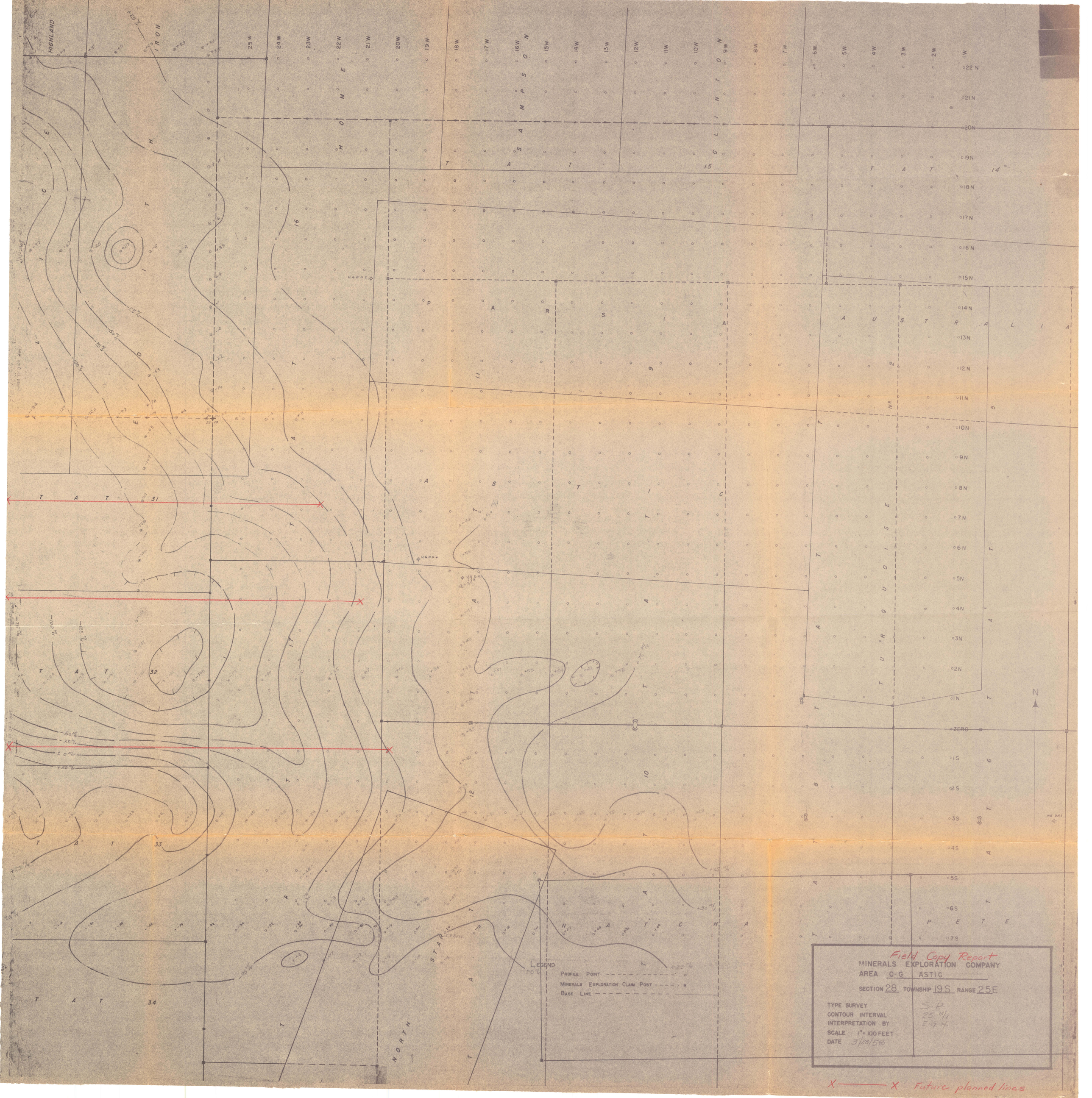
SECTION ____ **TOWNSHIP** 19S. **RANGE** 25E.

TYPE SURVEY	Self Potential
CONTOUR INTERVAL	25 MV
INTERPRETATION BY	E.G.H.
SCALE	1" = 500'
DATE	4/1/58

2/58 EGH



HIGHLAND
IRON
HOME
SAMPSON
CLINTON
TAT 15
TAT 14
PARSIA
AUSTRALIA
ASTIC
TURQUOISE
NATCHA
PETE
STAR
NORTH
A
B
C
C'
80° ± 10
LEGEND
PROFILE POINT
MINERALS EXPLORATION CLAIM POST
BASE LINE
Note displacement of Phase and Ratio Highs
MINERALS EXPLORATION COMPANY
AREA C-G ASTIC
SECTION 28 TOWNSHIP 19S RANGE 25E
TYPE SURVEY EM Preliminary Report Map
CONTOUR INTERVAL RATIO .025 PHASE 1.0°
INTERPRETATION BY
SCALE 1" = 100 FEET
DATE April 1, 1958



HIGHLAND
IRON
HOME
SAMPSON
CLINTON
TAT 15
TAT 14
PARSIA
AUSTRALIA
ASTIC
TAT 31
TAT 32
TAT 33
TAT 34
NORTH STAR
NATCHA
PETE
TURQUOISE
N
LEGEND
PROFILE POINT
MINERALS EXPLORATION CLAIM POST
BASE LINE
Field Copy Report
MINERALS EXPLORATION COMPANY
AREA C-G ASTIC
SECTION 28 TOWNSHIP 19S RANGE 25E
TYPE SURVEY S.P.
CONTOUR INTERVAL 25 M/V
INTERPRETATION BY E.G.H.
SCALE 1" = 100 FEET
DATE 3/28/58
X——X Future planned lines

LEGEND

PROFILE POINT ------------ o

MINERALS EXPLORATION CLAIM POST ----- O

BASE LINE ------------ ———

INTENSITY RATIO CONTOUR ----

MINERALS EXPLORATION COMPANY

AREA C-G PETE

SECTION 28 **TOWNSHIP** 19 S **RANGE** 25 E

TYPE SURVEY E.M. INTENSITY RATIO

CONTOUR INTERVAL 0.020

INTERPRETATION BY E.O.H.

SCALE 1" = 100 FEET

DATE SEPT.–OCT., 1957

E.M. RATIO DIFFERENCE of
400 cycle galvanic, 100' dual coil,
average observed vertical component,
relative field intensity gradient.

Line 7W

Line 6W

Line 5W

Indicates approximate Stream boundary

LINE 0 N/S

C-G
Section 3

COURTLAND. SEC H 3

L 5 4 3 2 W1 ↓Zero 1E 2 3 4 5 6 7 8 9

4N

3N

2N

1N

0

1S

2S

3S

4S

5S

6S

7S

8S

9S

10S

11S

2500'

Line

Electrode

Generator Location

2B SCALE TIE

Scale: 1" = 100'

Mag. Contour Interval: 25'

T A T 19 | T A T 20 | T A T 21 | T A T 22 | T A T 23

T A T 28 | T A T 29 | T A T 30

11W 10W 9W 8W 7W 6W 5W 4W 3W 2W 1W BASE LINE 1E 2E 3E 4E 5E 6E 7E 8E 9E

20S 21S 22S 23S 24S 25S 26S 27S 28S 29S 30S 31S 32S 33S 34S 35S 36S 37S 38S 39S 40S 41S 42S 43S 44S 45S 46S 47S 48S 49S 50S

ELECTRODE LINE

ASR CH 2 · ASR CH 3 · ASR CH 4

1.140 · 1.160 · 1.180 · 1.200 · 1.220

MEDX #10 · MEDX #20 · MEDX #30

ARROX S SEC LINE 28

DRILL HOLES PLACED FROM MEASUREMENT TAKEN OFF 1/1000 COMPOSITE MAP

CLAIM LINES PLACED FROM SAME DATA SOURCE

E. M. RATIO DIFFERENCE
of 400 cycle galvanic,
100' dual coil, average
observed vertical component,
relative field intensity
gradient.

Tuc. Off. Copy

MINERALS EXPLORATION COMPANY
AREA C-G, PETE, BLOCK "E" (South)

SECTION 28-33 TOWNSHIP 19S RANGE 25E

TYPE SURVEY — ELECTROMAGNETIC, INTENSITY RATIO
CONTOUR INTERVAL — 0.020
INTERPRETATION BY
SCALE — 1 INCH = 100 FEET
DATE — JANUARY 23/1/58

FOR TUCSON OFFICE
DETAIL TO SOUTH TO CONTINUE