93M/4E

REPORT OF GEOPHYSICAL SURVEY
(Electromagnetic Inductive Method)

conducted on claims of

STRIKE AND RIDGE GROUPS

consisting of Strike No-s 1 to 12 inclusive, Strike No-s 14 to 41 inclusive, Mineral Lease No 2 (Golden Wonder, Lot 3322), Mineral Lease No. 3 (Huckleberry, Lot 4272), and Mineral Lease No. 4 (Mandon, Lot 4273), all held in the name of the owner, G. L. Oates, F. M. C. 9794, issued March 15, 1960, Vancouver, BC

and located

6 miles south of Hazelton, 55 deg. 127 deg. S W
CASSIAR LAND DISTRICT
OMINECA MINING DIVISION
BRITISH COLUMBIA

Work completed during periods:

November 24, - December 8, 1959
December 30, - February 4, 1960
April 25, - May 11, 1960

(The accompanying maps H-1 and H-2 should be studied in conjunction with this report when planning exploration of the anomalies discussed herein)

Field work by G. L. Oates
Work done for G. L. Oates
Report submitted by - G. L. Oates
545 Rosemead Ave
Kelowna, B. C.

October 18, 1960

Note: Re training and qualifications of G.L. Oates please refer to letters to Chief Gold Commissioner, Victoria, B.C.:

by - Dr. Joseph T. Mandy, ME dated November 23, 1951
M. W. Jasper, ME dated October 28, 1951
C. V. Brennan, ME dated November 23, 1951
G. L. Oates, dated July 5, 1951.

TABLE OF CONTENTS

References :

Geological Survey of Canada Memoir 223, I954 by E. D. Kindle pp 8, I6, I7 & I9

B. C. Minister of Mines Annual Report I9I7, Golden Wonder Group by John D. Galloway, Resident Engineer, pp I07

Geophysical Exploration by C. A. Heiland, Sc. D. Professor of geophysics, Colorado School of Mines on 'Vertical Loop Methods' I940, pp 806

INTRODUCTION

The claims of the Strike Group owned by G. L. Oates, Kelowna, B. C. are situated east of and in the valley of the Skeena River about 4 miles south of South Hazelton, B. C. They lie immediately east of the Prince Rupert-Prince George highway from which a branch I½ mile truck-road passes through the claims to Comeau's ranch. The property consists of 42 claims and three mineral leases embracing an area of approximately 2I00 acres. It lies I to 2 miles east of the Skeena River and from 300 to 500 feet above it, being I300 to I500 feet above sea level - a small acreage on the east boundary is at about 2000 feet elevation. The Rocher Deboule Range of Mountains rising to elevations of over 8000 feet lie immediately east of the claims. The Skeena River and tributary creeks heading in the Rocher Deboule Mountains forms the principal drainage of the area. South Hazelton village is served by the Prince Rupert line of the Canadian National Railway and by highway, and is I77 miles by rail and highway from Prince Rupert. Annual rainfall in the vicinity is about 25 inches.

The Skeena River valley in this area is some 4 to 5 miles wide and in general rock outcrops are scarce. E. D. Kindle of the Geological Survey of Canada has over the past years conducted extensive geological study of the area, and among a number of observations has noted that in the vicinity of the Strike claims and the old Golden Wonder prospect (Ref. Geological Survey of Page I9
Canada by E. D. Kindle, Memoir 223, I954) : ' The course of the major northerly trending faults in the Rocher Deboule Mountains is also recommended for prospecting, keeping in mind that although evidence of mineralization may be lacking along the major faults themselves, deposits may occur along smaller related branch fissures.' Also see in the same Memoir 223, page I7 - ' A small lake on the southeast side of the Golden Wonder property is bordered on its northwest and southeast sides by steeply-walled cliffs that extend

INTRODUCTION - cont'd

' for hundreds of feet along straight but slightly divergent courses. It is believed that these cliff walls mark lines of faulting. Minor faults that strike east across the ridge on the west side of the lake are mineral -ized with a little gold, copper and silver. '

The structural features suggested to occur in the vicinity of the Strike claims by Dr. Kindle were sufficiently interesting to the writer to decide to investigate the possibilities fo the area. Since the ground is probably 90-95 percent overburdened geophysical prospecting appeared to be the most practical first step in the investigation.

GEOLOGY

The Strike claims lie mostly in the Skeena River valley at elevations of I000 to I500 feet. Much of the area is drift covered and in this report the description of geology is taken from the B C Minister of Mines Annual Report (I9I7) and Geological Survey of Canada Memoir 223 (Revised Edition) I954 by E. D. Kindle.

As the Strike claims are in the immediate vicinity of the Golden Wonder property the following is of interest ;(B C Minister of Mines Annual Report - I9I7 - page I07 - Golden Wonder Group by John D. Galloway, Resident Engineer),

' The geological formation in this section consists of a sedimentary horizon of the Hazelton formation, the rocks exposed being generally quartzitic or argeillaceous. There are two or three veins on the property with a general strike of S 65 W and standing nearly vertical. These veins are similar in appearance to the typical Rocher Deboule veins and are mineralized in much the same way ; they differ from the Rocher Deboule veins, however, in that they occur in sedimentary rock and not in granodiorite. '

' The gangue-filling is partly the ordinary wall-rock, but in places there is a considerable development of quartz and also a little siderite and hornblende. Pyrrhotite, arsenopyrite, pyrite and chalcopyrite are the metallic minerals present. The order of deposition of the various minerals would appear to have been, first, siderite, quartz, and hornblende, then pyrrhotite a little later, and finally arsenopyrite, pyrite, and chalcopyrite, together with a little more quartz last of all. Hornblende in radiating and needle-shaped crystals is fairly plentiful in the gangue. This occurence of hornblende is similar to the hornblende in the gangue of the Rocher Deboule veins, but occurs in much smaller amount. The usual oxidation

GEOLOGY (cont'd)

'on the surface is apparent, but does not extend below a foot or two!

Reference : Geological Survey of Canada, Memoir 223 (Revised Edition) I954 by E. D. Kindle. See page 8 :

' Summary Statement '

' A thick series of Mesozoic sedimentary and volcanic rocks known as the Hazelton Group form the bulk of the mountains and uplands in the Hazelton and Smithers areas. These rocks are invaded by numerous granodiorite stocks that may be related to the batholithic rocks of the coast Mountains that lie some 25 to 35 miles westerly.'

' Hazelton Group '

' Mesozoic rocks of the Hazelton group occupy about 90 percent of the Hazelton and Smithers areas. The group consists of an apparently conformable succession of interbedded sedimentary and volcanic rocks ranging in age from pre-Middle Jurassic to Lower Cretaceous, and includes coal-bearing members hitherto mapped as the Skenna formation or series of Lower Cretaceous age. On Hudson Bay Mountain, a fivefold division of the Hazelton Group has been made, namely : a Middle Jurassic or older volcanic division ; a Middle Jurassic marine sedimentary division; a Middle or Upper Jurassic volcanic division; an Upper Jurassic and Lower Cretaceous marine and continental sedimentary division; and a Lower Cretaceous or Younger volcanic division (Armstrong, I944). On Rocher Deboule Mountain the first two of these divisions are either missing or have not been recognized, but the three younger divisions are well developed and have a combined thickness of possibly I6,5000 feet (Armstrong and Kindle, I953) '

See page I6 - ' Structure of Vein-bearing Fissures '

' Throughout the area, the various faults and shear zones along

GEOLOGY (cont'd)

'which the veins formed represent differential movement ranging from a few inches to 50 feet or more. The latest movements along the larger vein fissures were generally in a horizontal direction, as recorded by slickensides and striations on the vein walls. In some cases, as in the Rocher Deboule and Silver Standard Mines, vein formation was interupted by renewed movement along the fault fissures, and the ore deposits are offsets for a few feet by post-mineral faults. '

' A major fault that trends northerly across Rocher Deboule Mountains passes along the upper valley of Brian Boru Creek, crosses Juniper Creek, and from there extends across the northwest shoulder of the mountains a quarter mile west of the Rocher Deboule mine. For convenience in writing this fault is named the Brian Boru fault. There is probably a vertical displacement, east side up, of more than 1000 feet along this fault. Its continuation north of the Rocher Deboule mountains is concealed by drift, but it probably extends up the east side of Skeena River Valley east of Hazelton. Most of the vein fissures in the Rocher Deboule Mountains are thought to have formed at the same time as the Brian Boru fault and others of the same system. Vein fissures at the Silver Standard mine and those of the National Explorations property half a mile southwest of the Silver Standard lie near the projected line of strike of the Brian Boru fault, and may be related subsidiary faults. If so, all ground adjacent to the Brian Boru fault would a appear to be worth careful prospecting.

' A small lake on the southeast side of the Golden Wonder property is bordered on its northwest and southeast sides by steep-walled cliffs that extend for hundreds of feet along straight but slightly divergent courses. It is believed that these cliff walls mark lines of faulting.

GEOLOGY (cont'd)

' Minor faults that strike east across the ridge on the west side of the lake are mineralized with a little gold, copper, and silver. '

See page I9 - ' Prospecting Possibilities '

' Vein deposits in the Hazelton area occur in the volcanic and sedimentary rocks of the Hazelton group or in the Bulkley intrusions and associated dykes, so that all these rocks constitute favourable prospecting ground. In three different places veins of economic importance were discovered on anticlinal folds in the sedimentary rocks suggesting that such structures should be carefully prospected. The course of the major northerly trending faults in the Rocher Deboule Mountains is also recommended for close prospecting, keeping in mind that although evidence of mineralization may be lacking along the major faults themselves, deposits may occur along smaller related branch fissures. Large areas of relatively unexplored ground lie in the mountains north of Hazelton. '

Probably ninety-five percent of the area covered by the geophysical survey was drift-covered, so that no geological information additional to the above excerpts was observed.

METHOD USED -(ELECTROMAGNETIC INDUCTIVE)
Using Vertical Loop

The electromagnetic inductive is a direct method and is applied principally in the search for sulphide ore bodies. It depends for its operation upon the effects produced by the flow of an electric current. By studying these effects it is possible to predict the general axis of current flow. The greater flow of current is in the path of greatest effective conductivity; and since the effective conductivity of a mineralized zone is different from that of its surrounding envelope (usually much greater), it is possible to locate such a mineralized zone by the distribution of current. Due consideration is given to geologic structure, type of mineralization and other factors.

The inductive method is so named because the current flowing in the conductive body is obtained by electromagnetic induction ; without making direct contact with the conductive zone or orebody. The current flowing in a transmitting coil or antenna will create an electromagnet -ic field around the coil. This field will have the same frequency as the primary current and will radiate or travel outward from the coil in closed magnetic or flux circuits. These circuits are perpendicular to the plane of the coil and extend or travel outwards with uniform velocity in all directions. The primary current and the resulting electro -magnetic field radiating from the antenna is obtained by the use of a transmitting or 'energizing' set operating from 30 to 50 kilocycles frequency. A 10 watt vacuum tube is used in the circuit and the power supply is obtained from portable type dry cell batteries - B supply of 450 volts and A supply of 9 volts. The transmitting antenna is triangular, seven feet to the side and hinged at the corners for folding.

When the electromagnetic field radiating from the antenna of the energizing equipment flows through or ' cuts ' a mineralized body a

METHOD USED - (ELECTROMAGNETIC INDUCTIVE) cont'd
Using vertical Loop

current is induced in this body. The current flowing in the mineralized body sets up an electromagnetic field having the same frequency as the current. This electromagnetic field will surround the body and travel outward from it in concentric circles or envelopes. The detection of this field is accomplished by the use of direction-finding equipment consisting of a direction-finding coil mounted on a tripod and electrically connected to a vacuum-tube set containing a detector and multi-stage amplifying system. The multi-stage amplifying system is employed to produce a signal of desired intensity through a set of head-phones. A direction-finding coil so pivotted that its axis of revolution is parallel to the conductor - i.e., axis of revolution of the coil and the conductor have the same "strike" - will give the maximum signal when the coil is perpendicular to a tangent to the circle of wave-front at that point. A minimum signal will be obtained when the coil is parallel to the tangent. By the use of the direction coil the relative distribution of current may be determined and the position, depth and approximate width of the mineralized body may be plotted. The dip of the field resulting from a combination of the primary (electromagnetic field surrounding the transmitting antenna) and the secondary (electromagnetic field surrounding the orebody) as determined by the use of the direction-finding coil is explained by C. A. Heiland, Sc.D., Professor of Physics, Colorado School of Mines :

(Reference : Geopyhsical Exploration by C. A. Heiland, Sc.D. Professor of Geophysics, Colorado School of Mines, page 806, I940)

Vertical Loop Methods

' In application, a vertical transmitting loop is set up with its plane approximately parallel with, and (if possible) directly above a suspected conductivity zone. A certain distance away a receiving coil is placed with its axis of rotation horizontal,

METHOD USED / (ELECTROMAGNETIC INDUCTIVE) cont'd
Using Vertical Loop

' pointing toward the transmitting loop. The field of the transmitting loop at the location of the receiving coil is horizontal if the centres of both are at the same elevation. The magnetic field of the transmitter induces currents along the edge of a subsurface conductor. These currents, in turn, are surrounded by an electromagnetic field. This field combines with the loop field into a resultant vector, whose direction may be determined by tilting the reception coil about a horizontal axis until a minimum is obtained. The current concentration may thus be located by measuring dip angles along a profile at right angles to the strike. Contrary to low-frequency vertical-loop methods, the loop field and the subsurface field are very nearly in phase; elliptical polarization is negligible and sharp minima are obtainable when the reception coil is tilted. ' --------- -----

' If the magnetic field surrounding a subsurface current concentration alone were present, its direction at any point A on a

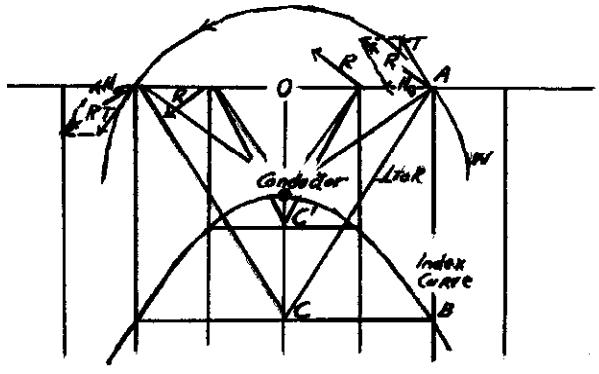


Fig. IO-I24. Construction of index curve.

profile (see Fig. IO-I24) would be given by the vector T, and would coincide with the direction of the plane of the detection coil in the minimum position. If normals were drawn to this position at all

METHOD USED -(ELECTROMAGNETIC INDUCTIVE) cont'd
Using Vertical Loop

' points, they would intersect in the subsurface conductor. However, the horizontal field Ho of the transmission loop combines with the subsurface field T to form the resultant field vector R, whose direction is that of the detection coil in the minimum position. Therefore, the normals to the direction of the coil will intersect the vertical at progressively deeper points CC' as the distance of points A from the point O increases. The conductor may nevertheless be located by the procedure of drawing an index curve : At any point (A) the normal to the vector R or to the plane of the detection coil is drawn to the intersection with the vertical at the point C. Through C a horizontal line is drawn to the intersection with the vertical from A to B. B is then a point on the index curve. Other points are similarly located. The apex of the index curve is the conductor. '

The equipment used to survey the Strike claims is similar to the transmitter with vertical loop, &direction-finding equipment in the above description. The transmitter was operated on a frequency of 55 kilocycles. The lines cut for the survey consisted of three base-lines (east-west) with north-south cross lines spaced at I25 foot intervals except for a small area having cross lines I00 feet apart. Reading stations were marked at I00 foot intervals on the lines, which were surveyed by chain and Brunton compass. The transmitter placements or 'set-ups' were usually 250 to 300 feet apart on the lines and from I0 to I5 readings were made with the direction-finding equipment for each 'set-up' of the transmitter.

RESULTS AND RECOMMENDATIONS

Seventy percent of the area surveyed gave negative or nearly negative results. Map #H-2 shows the areas surveyed and the anomalies discovered. Ground was surveyed both north and south of the fault shown on this map , with negative results on the south side.

The anomalies A, B, C, D, E and F found north of the fault were found to have fair strength but continuity was not good in any of them. However, it is the intention of the owner to continue geophysical surveying this coming winter and spring, northwest of the area containing anomalies A, B, C, D, E, and F. It would appear that Kindle, E. D.(G.S.C Memoir 223, revised edition, 1954) has given an accurate procedure for pages I7 and I9
prospecting the area. The above named anomalies seem likely to be branch fissures to the fault southeast of them, and definitely contain interesting mineralization in and close to the 100 foot Golden Wonder shaft.

No surface stripping will be done until further geophysical surveying is continued north and west of the section containing the anomalies A, B, C, D, E and F in the hope that anomalies having greater promise may be found adjacent and north of the fault. The central sections of anomalies D and E and the southern section of anomaly F between points II3 and II6 warrant preliminary stripping which will be done next season after the ground to the northwest has been surveyed.

G. L. Oates

Duplicate Copies of
Geophysical Field Notes
on
Survey of Strike Claims
for Wellton Dle.

Nov. & Dec. 1959
Jan. & Feb. 1960
April & May - 1960

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION A1 + 50 N

AMP 1.0

DATE Dec. 2/59

BY L. L. Oates & J. Homeshpuck

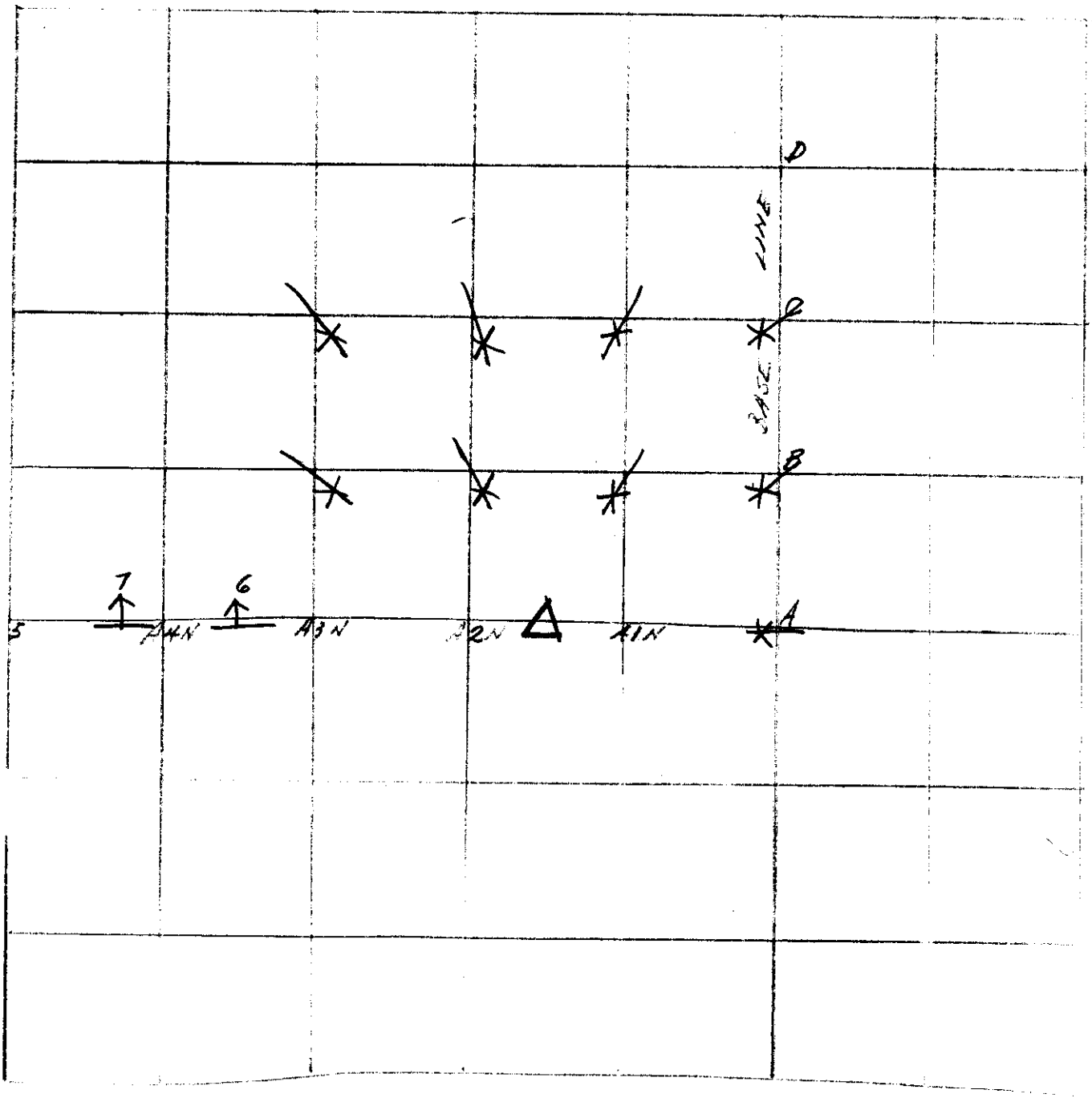
N

1" = 100 FT.

Δ = Loop location

X = ZERO DIP

↓ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT No Golden Quarter

LOOP LOCATION C3N

AMP 1.0

DATE Dec. 2, 1959

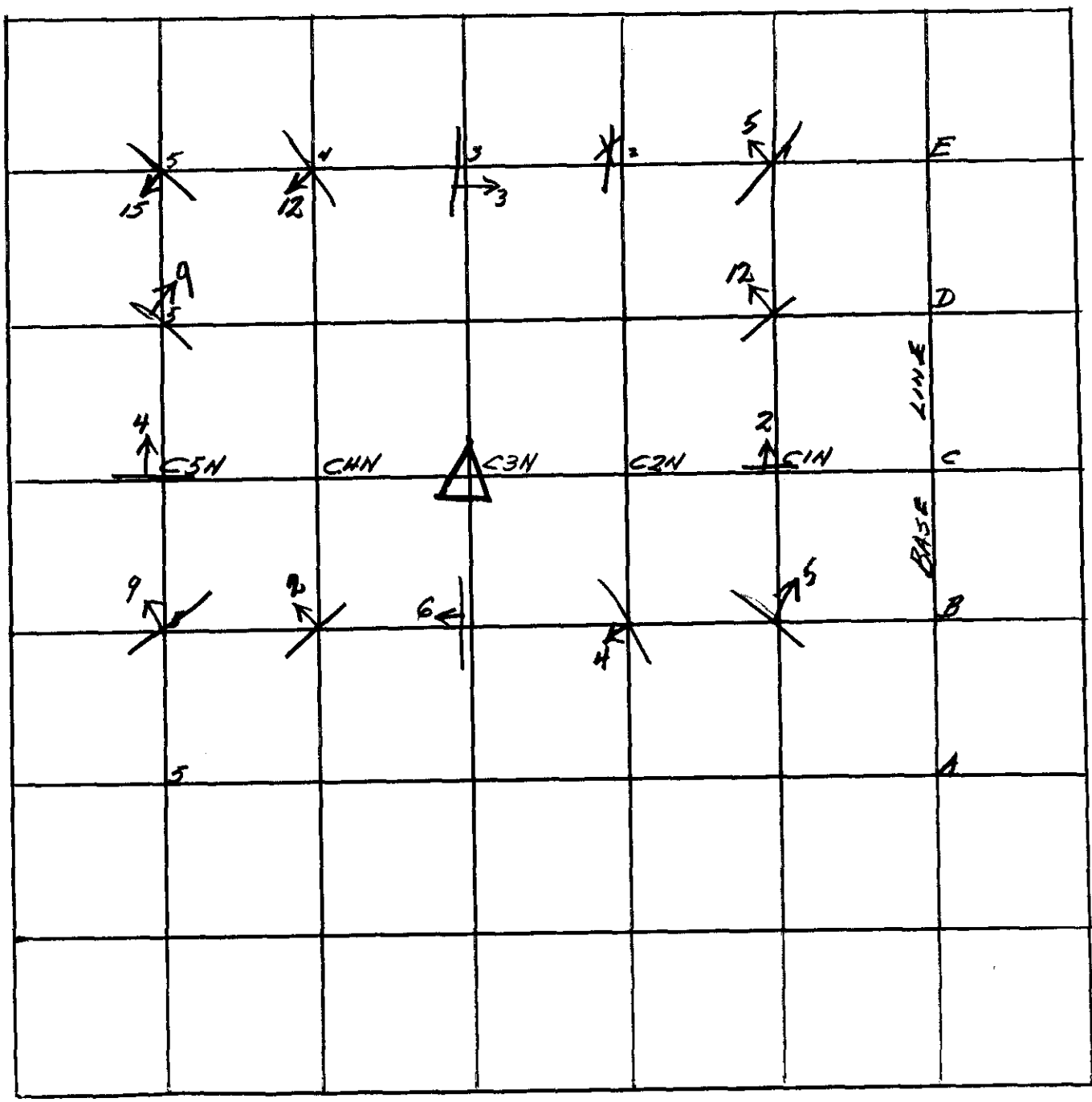
BY J.C.O & J.H.

1" = 100 FT.

Δ = Loop location

X = ZERO DIP

$\overset{\downarrow}{6}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION C I N

AMP 1.0

DATE Dec. 2 1959

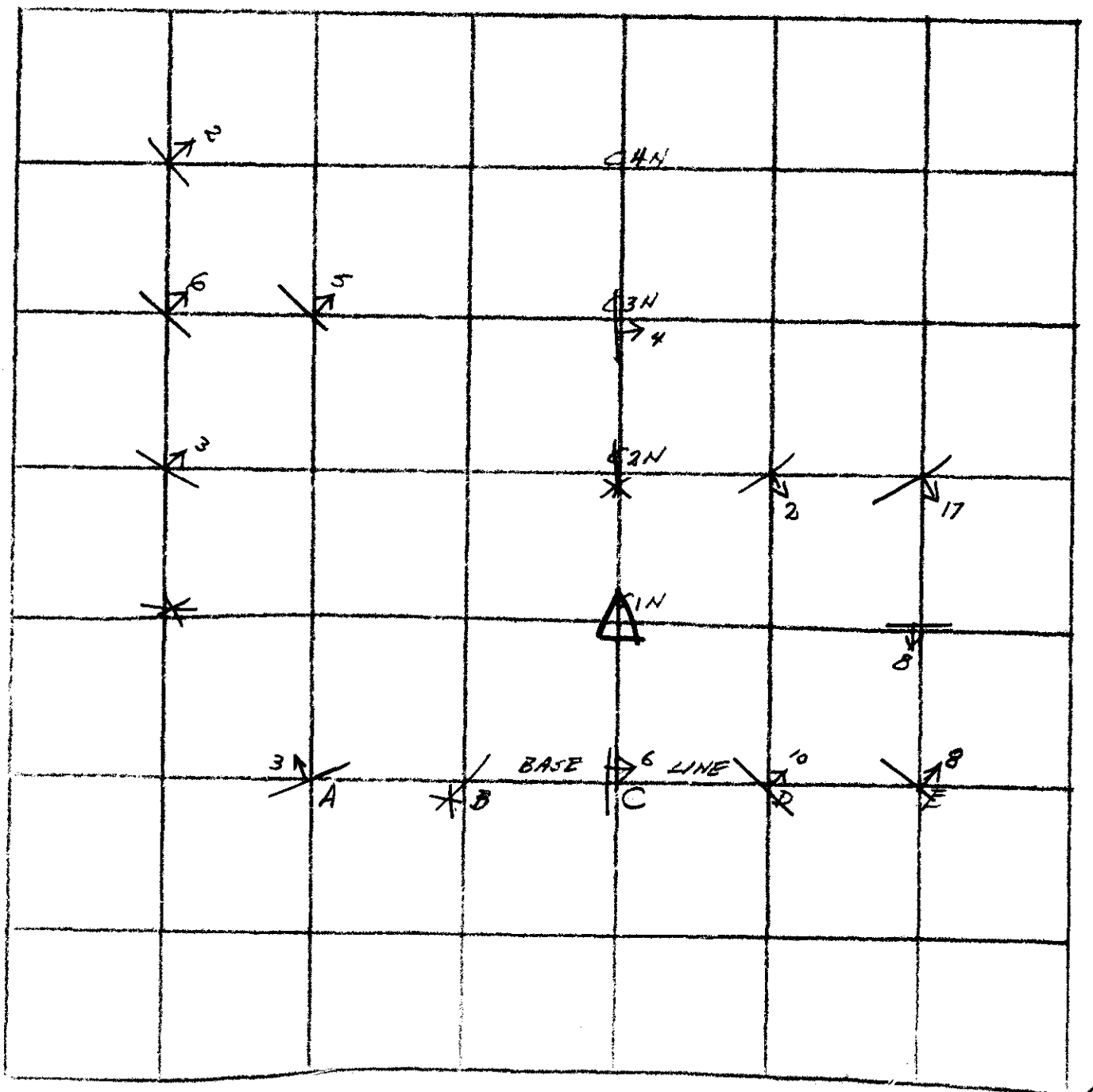
BY L.L. Bates & J. Hemelspeek

N 1" = 100 FT.

Δ = Loop location

✕ = ZERO DIP

↓6 = DIP IN DEGREES



(3)

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION C4+35 FT. NORTH

AMP 1.0

DATE Dec. 2, 1959

BY L.D. & J.H.

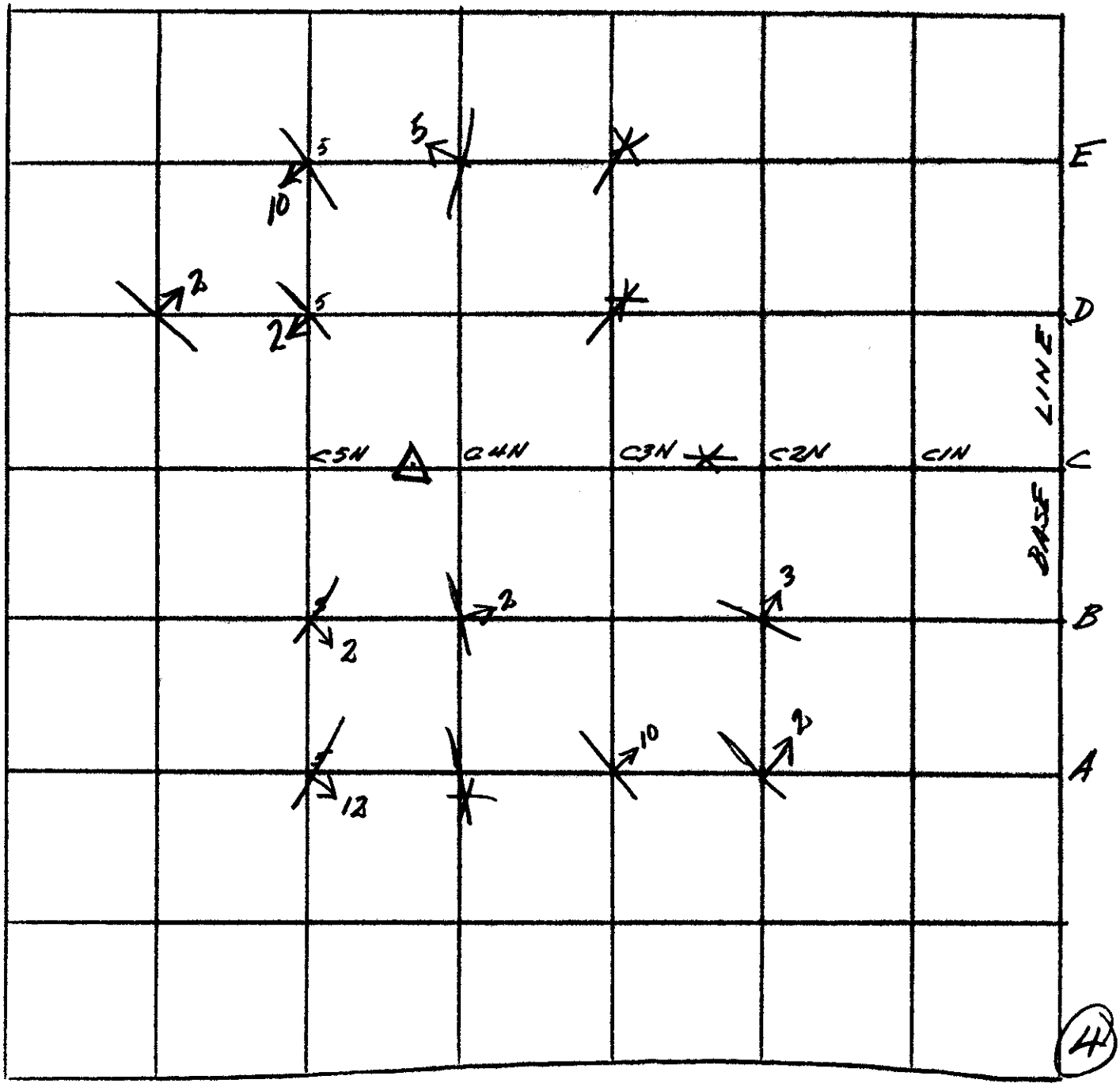
N

1" = 100 FT.

Δ = Loop Location

✳ = ZERO DIP

↓ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION E 4 North

AMP 1.0

DATE Dec. 3, 1959

BY G.D.C. & J. H.

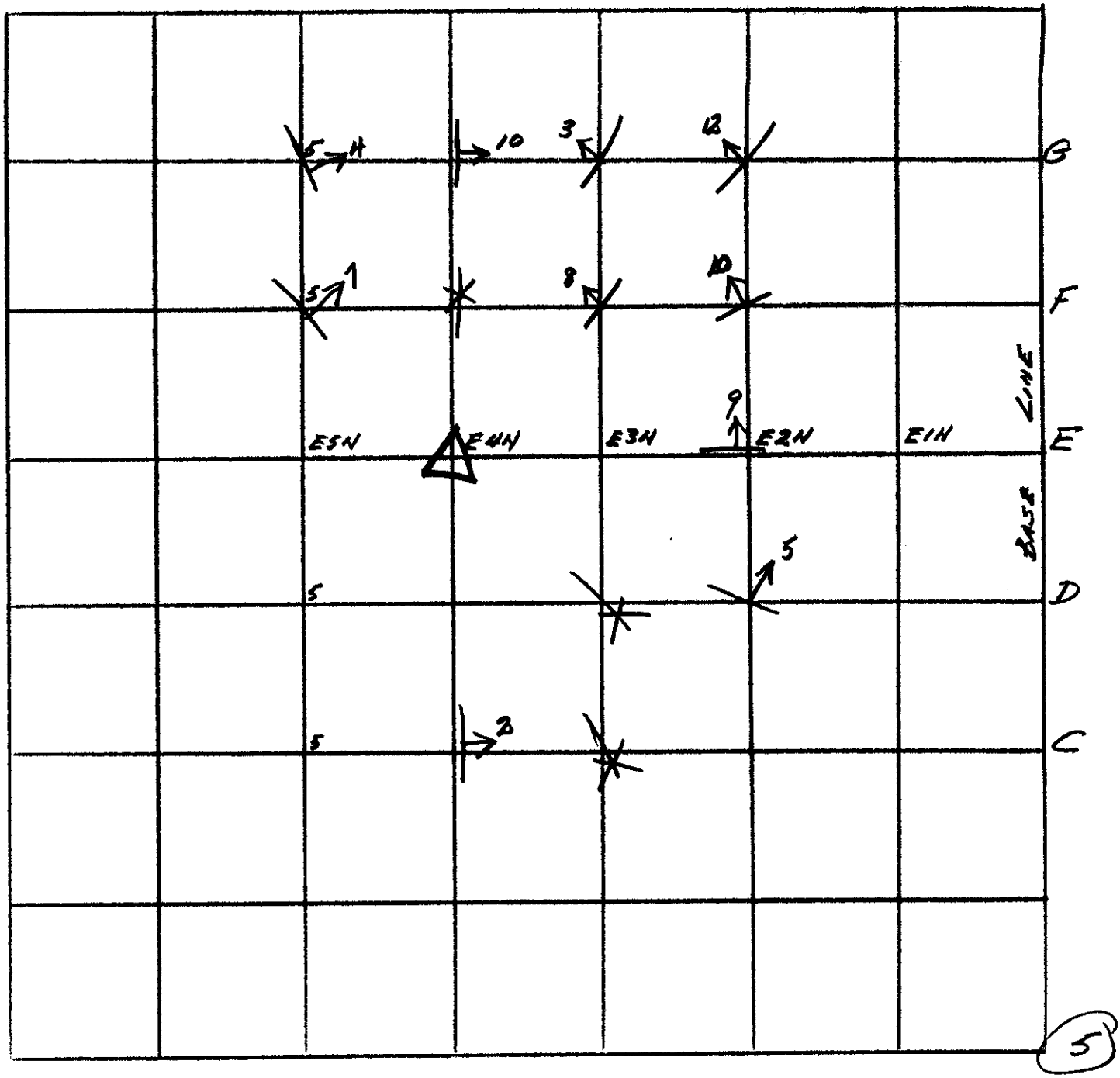
N

1" = 100 FT.

Δ = Loop location

× = ZERO DIP

↓ = DIP IN DEGREES
G



5

GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Wonder

LOOP LOCATION E 2 North

AMP 1.0

DATE Dec. 3, 1959

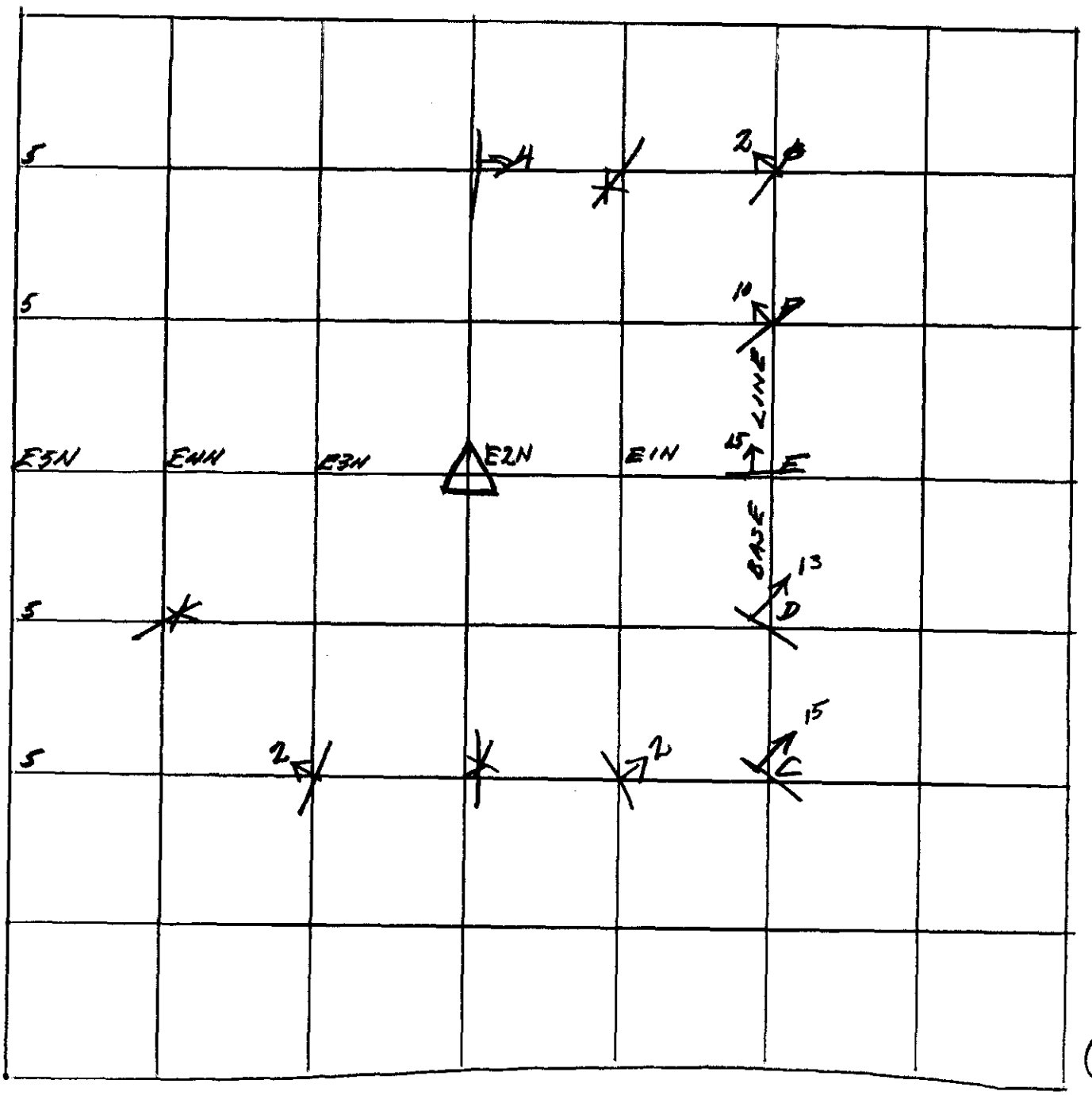
BY J.C. & J.H.

1" = 100 FT

Δ = Loop Location

✕ = ZERO DIP

↓6 = DIP IN DEGREES



Log

PROPERTY Golden Wonder

LOOP LOCATION E + 50 FT. NORTH

AMP 1.0

DATE Dec. 3 1951

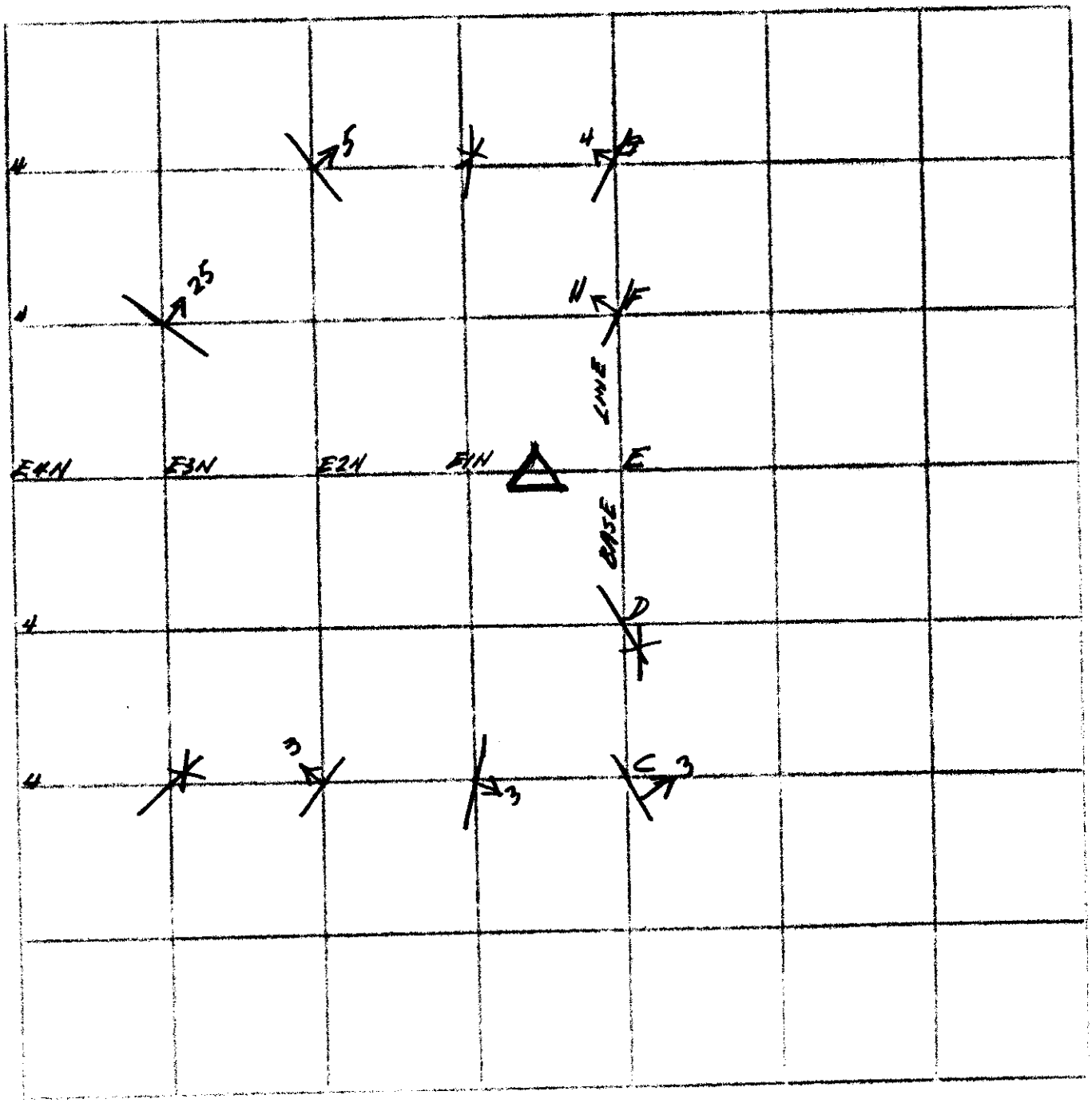
BY L.C. & J.F.

1" = 100 FT.

Δ = Loop location

—X— = ZERO DIP

—↓— = DIP IN DEGREES



7

GEOPHYSICAL FIELD NOTES

CONTRACT No. Graham Mercedes

LOOP LOCATION G I North

AND 1.0

DATE Dec. 3, 1959

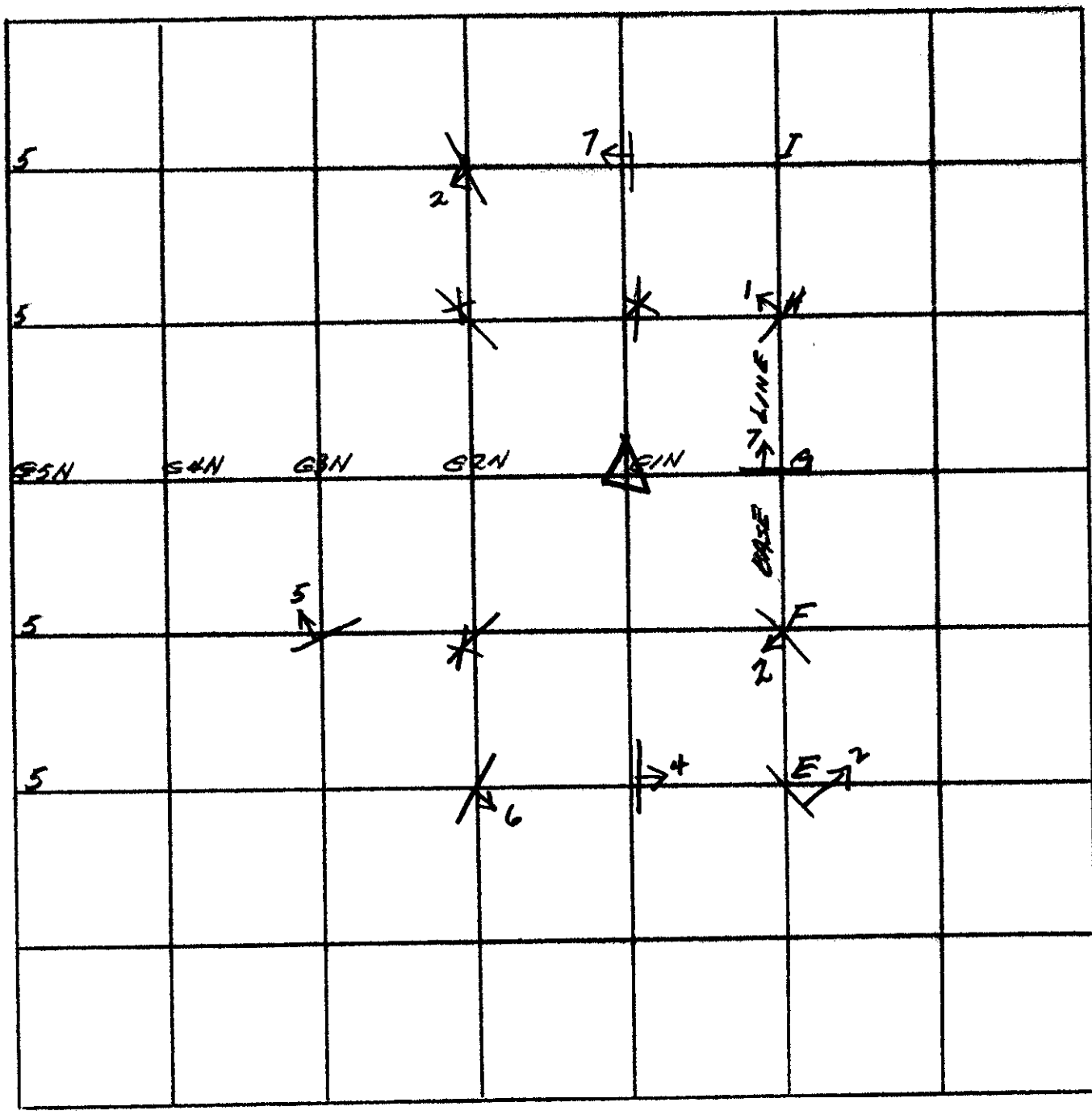
BY L.B. & J.H.

1" = 100 FT.

Δ = Loop location.

✕ = ZERO DIP

$\frac{\text{N}}{\text{G}}$ = DIP IN DEGREES



8

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION G 3 NORTH

AMP 1.0

DATE Dec. 3, 1959

BY A.A.G. & J.H.

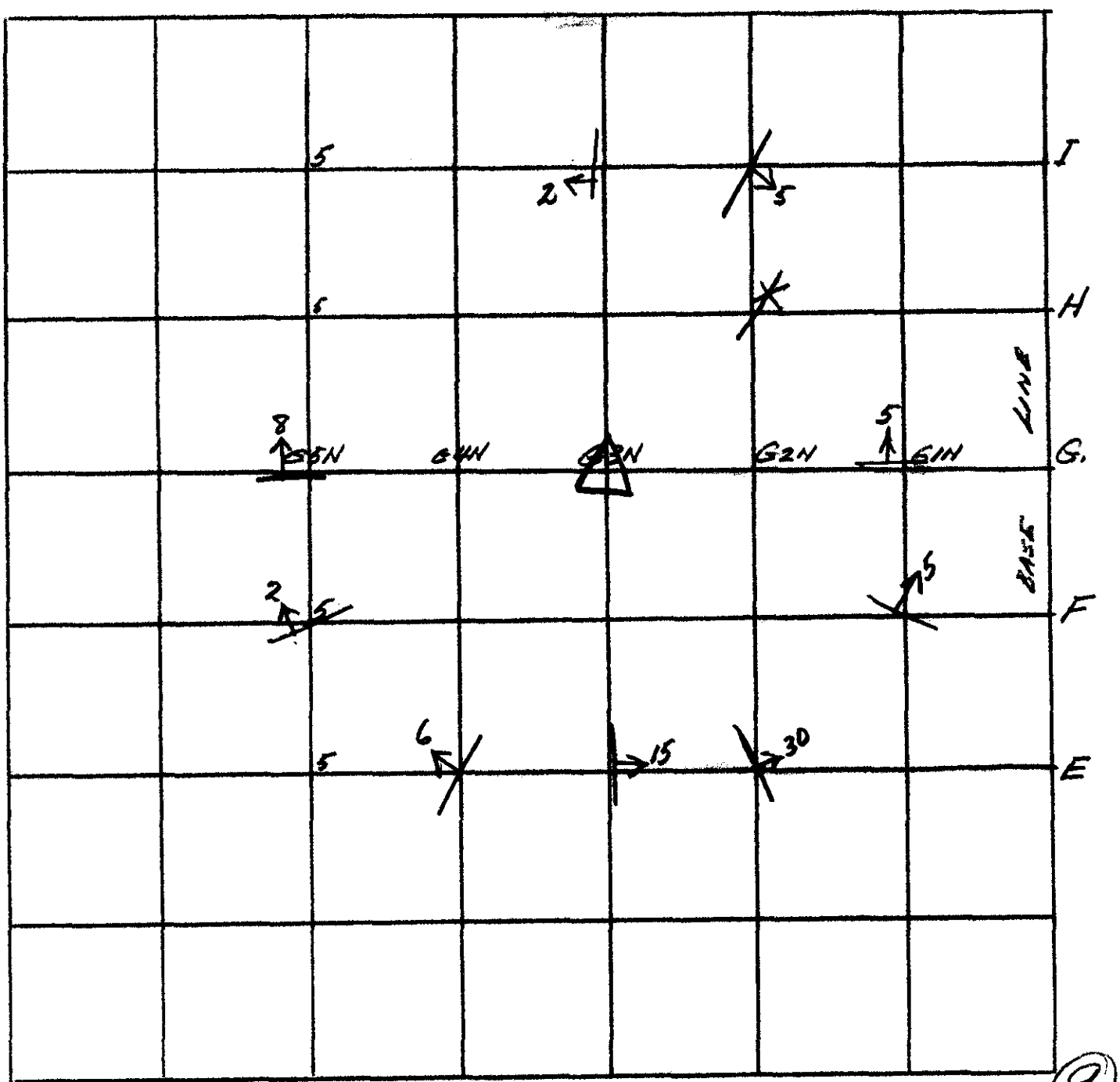
N

1" = 100 FT.

Δ =

× = ZERO DIP

↓ = DIP IN DEGREES
6



9

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Meander

LOOP LOCATION I 4 NORTH

AMP 1.0

DATE Dec. 3 1959

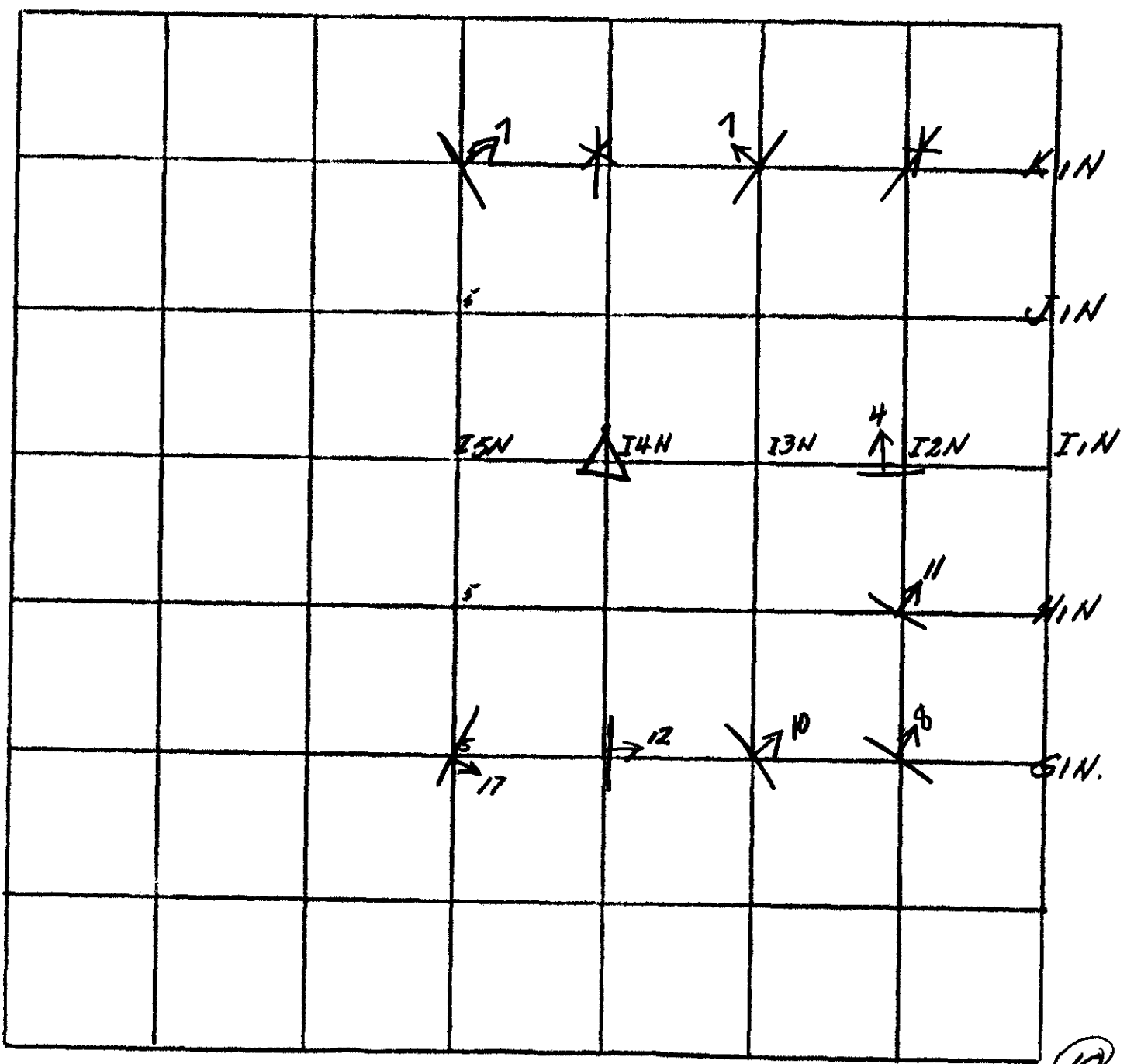
BY G.L.C. & J.H.

1" = 100 FT.

Δ = Loop location.

— = ZERO DIP

— = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION I2 NORTH

AMP 1.0

DATE Dec. 4, 1959

BY L. LO & J. H.

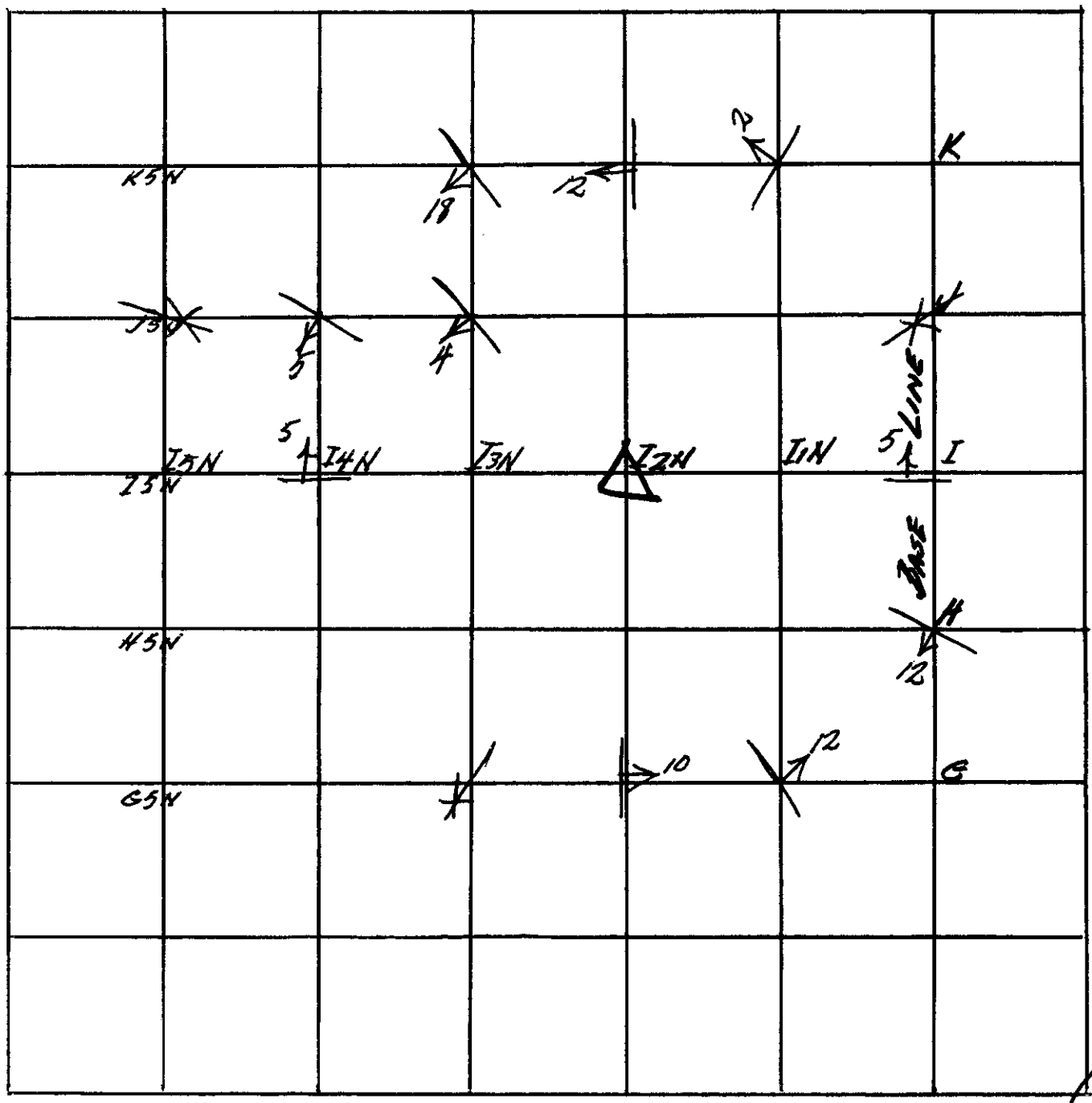
N

1" = 100 FT.

Δ = Loop location.

× = ZERO DIP

$\frac{\downarrow}{6}$ = DIP IN DEGREES



11

CONTRACT NO. Golden Wonder

LOOP LOCATION K I NORTH

AMP 1.0

DATE Dec. 4, 1959

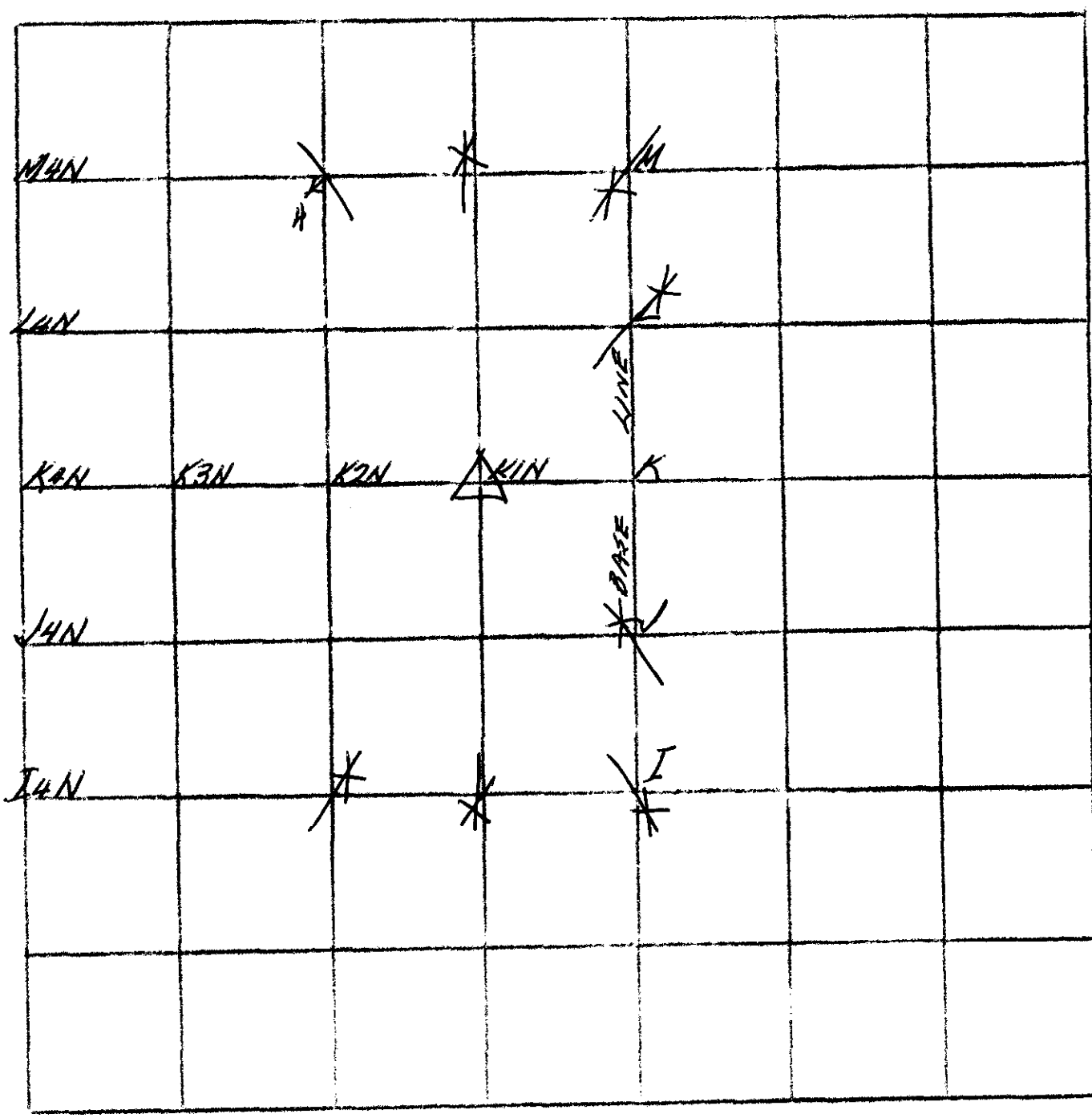
BY G.L.B. & J.H.

1" = 100 FT.

△ = Loop location

✳ = ZERO DIP

$\overset{\downarrow}{6}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Mile

LOOP LOCATION M2 NORTH

AMP 1.0

DATE Dec. 4, 1939

BY L.L.B & J.H.

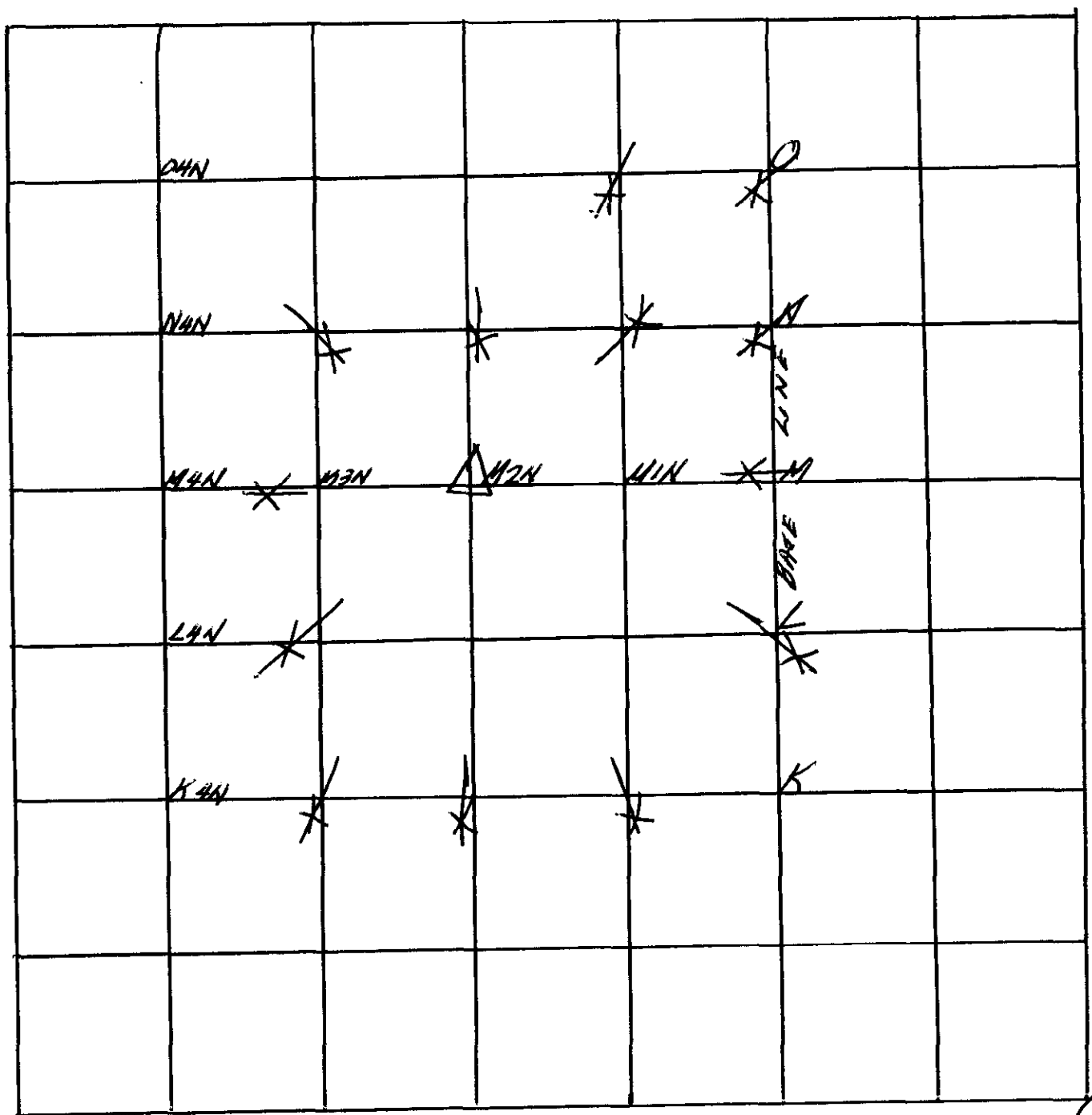
$\Delta Z \Delta$

1" = 100 FT.

Δ = Loop location

$\times$ = ZERO DIP

$\overset{\downarrow}{\times}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO. Golden Wonder

LOOP LOCATION M & N

AMP 1.0

DATE Dec. 4, 1959

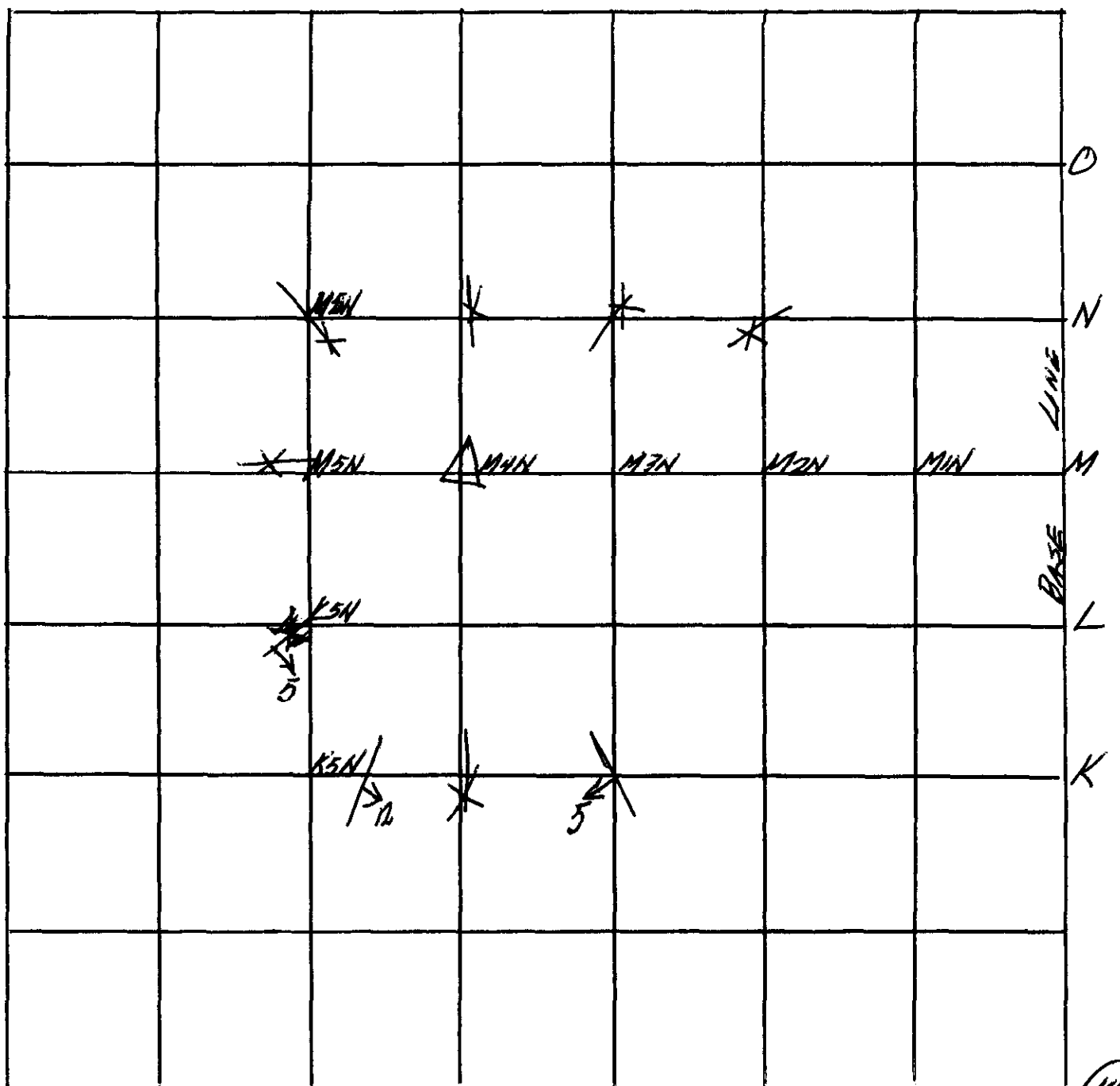
BY G.L.B. & J.A.

1" = 100 FT.

Δ = Loop location

✕ = ZERO DIP

$\frac{N}{6}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT No Golden Wonder

LOOP LOCATION 10FT. EAST of Golden Wonder 100FT. SHAFT. SEE MAP #H-2

AMP 1.0

DATE Dec. 4, 1959

BY C.E.C. & J.H.

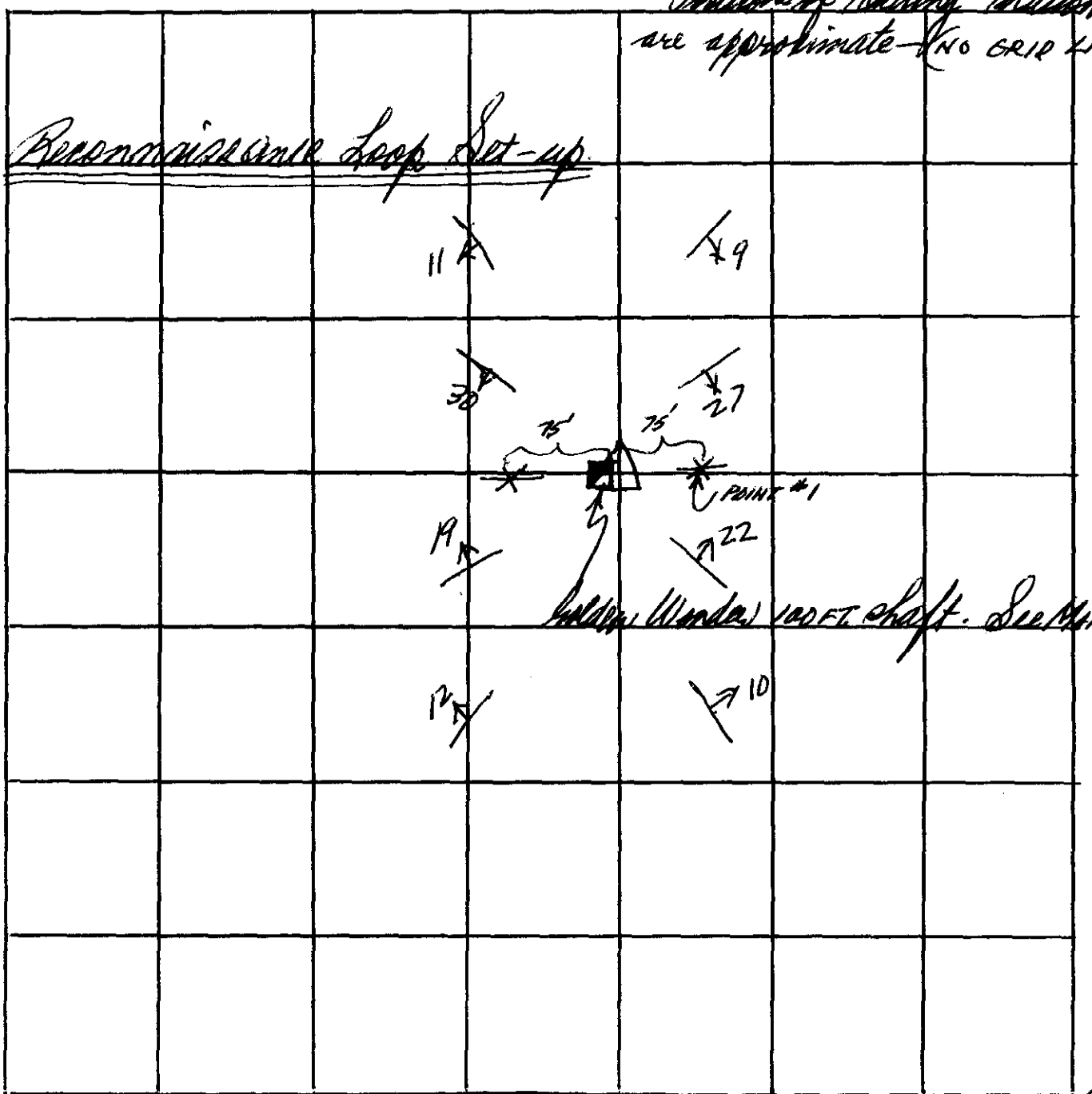
1" = 100 FT.

Δ = loop location

✕ = ZERO DIP

$\overset{\times}{6}$ = DIP IN DEGREES

Positions of reading stations are approximate (NO GRID LINES)



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION 88 Ft. east of Golden Wonder 100' shaft.

AMP 1.0

DATE Dec. 4, 1959

BY L.L.B. & J.H.

N

1" = 100 FT (approx.)

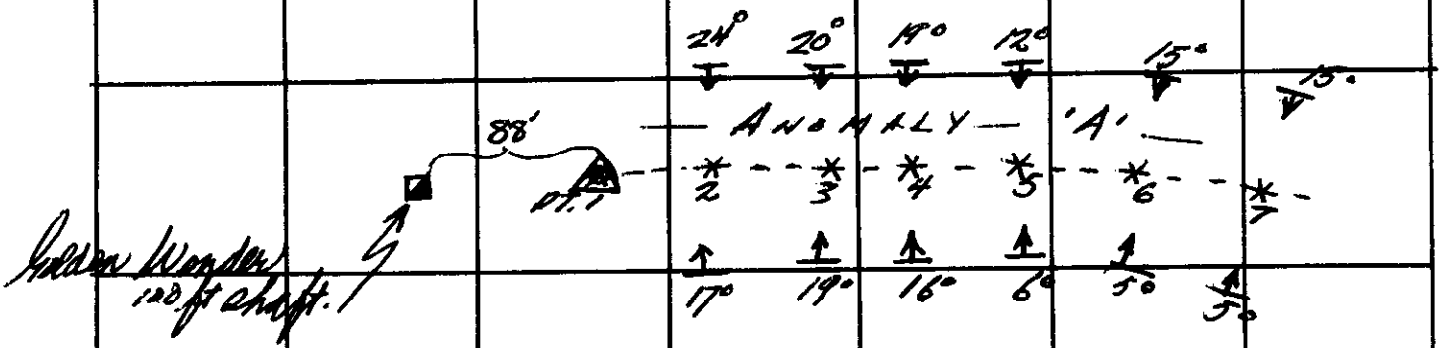
Δ = loop location

* = ZERO DIP

$\frac{*}{c°}$ = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up



Points on Electrical Axis of Anomaly = *1, *2, etc.

Brunton & Chain Survey.

From 100' shaft N58E (mag) 88' to point *1 on Anomaly A

" point 1	to point 2	N53E	(mag)	62'
" " 2	" " 3	N64E	(")	67'
" " 3	" " 4	N68E	(")	42'
" " 4	" " 5	N49E	(")	57'
" " 5	" " 6	N75E	(")	60'
" " 6	" " 7	N90E	(")	66'

16

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION At 25 FT. shaft which is 516W (mag)
147 FT. from Golden Wonder 100 FT. shaft

AMP 1.0

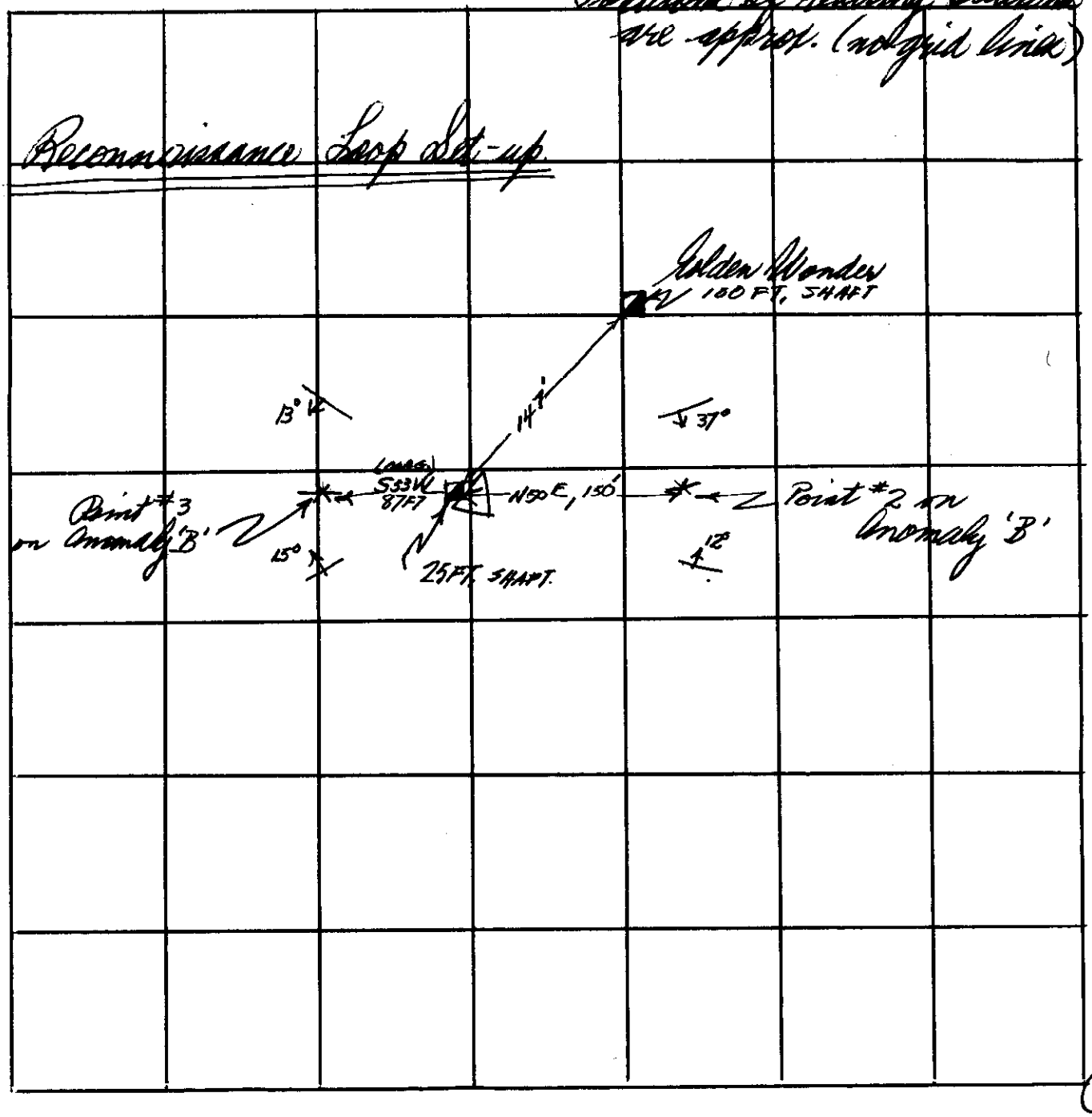
DATE Dec. 5, 1959

BY G.H. & J.H.

1" = 100 FT. (approx)
Δ = loop location
× = ZERO DIP
↓60° = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Mender

LOOP LOCATION At Point #2 on Anomaly 'B'

AMP 1.0

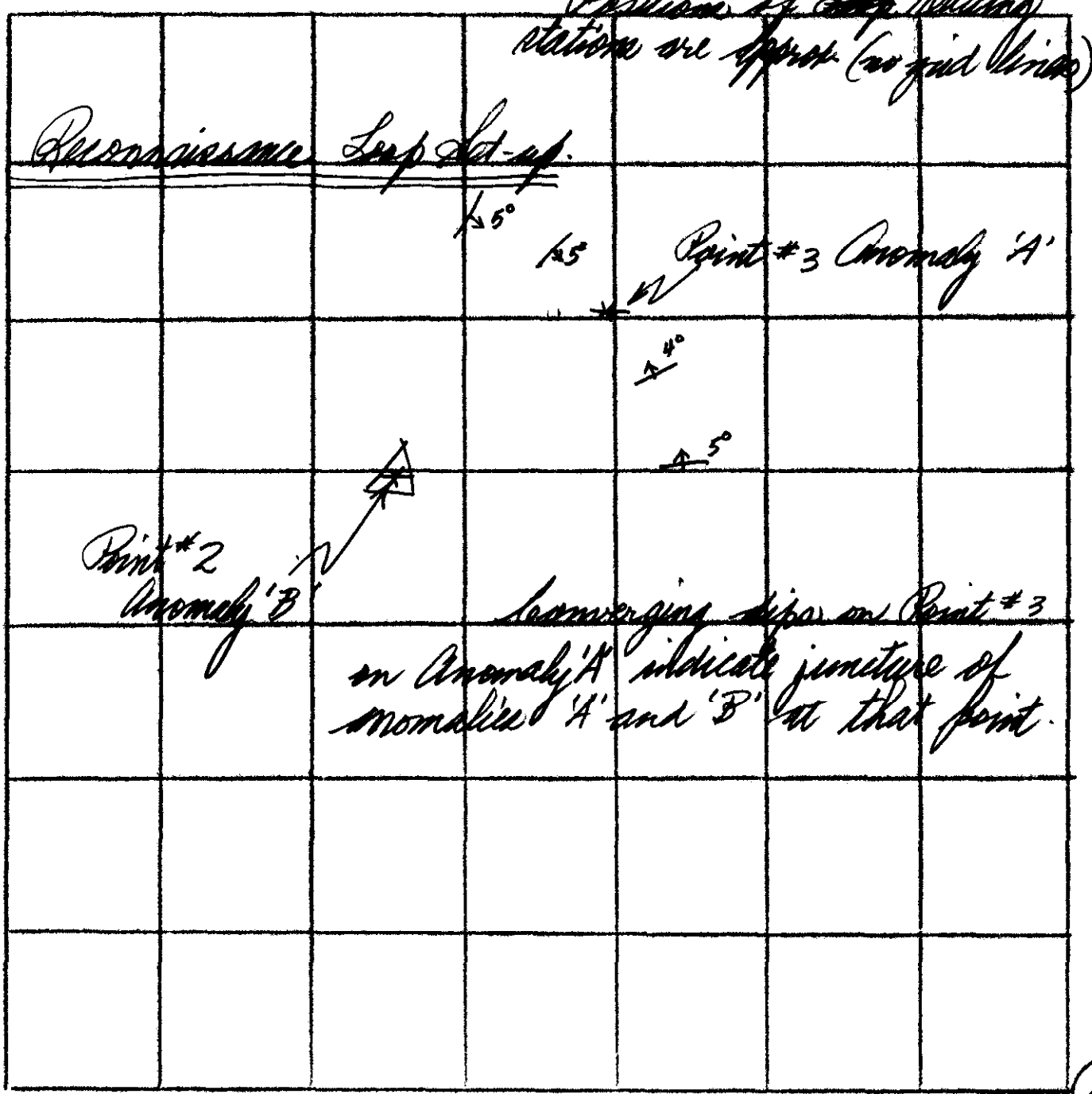
DATE Dec. 5, 1959

BY L.L.B. & J.H.

1" = 100 FT. approx.
Δ = loop location
✳ = ZERO DIP
↓6° = DIP IN DEGREES

Positions of dip reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up.



Converging dips on Point #3 on Anomaly 'A' indicate juncture of anomalies 'A' and 'B' at that point.

GEOPHYSICAL FIELD NOTES

CONTRACT No Golden Wonder

LOOP LOCATION Anomaly 'A' - point #7.

AMP 1.0

DATE Dec. 5, 1959

BY G.C. & J.H.

N

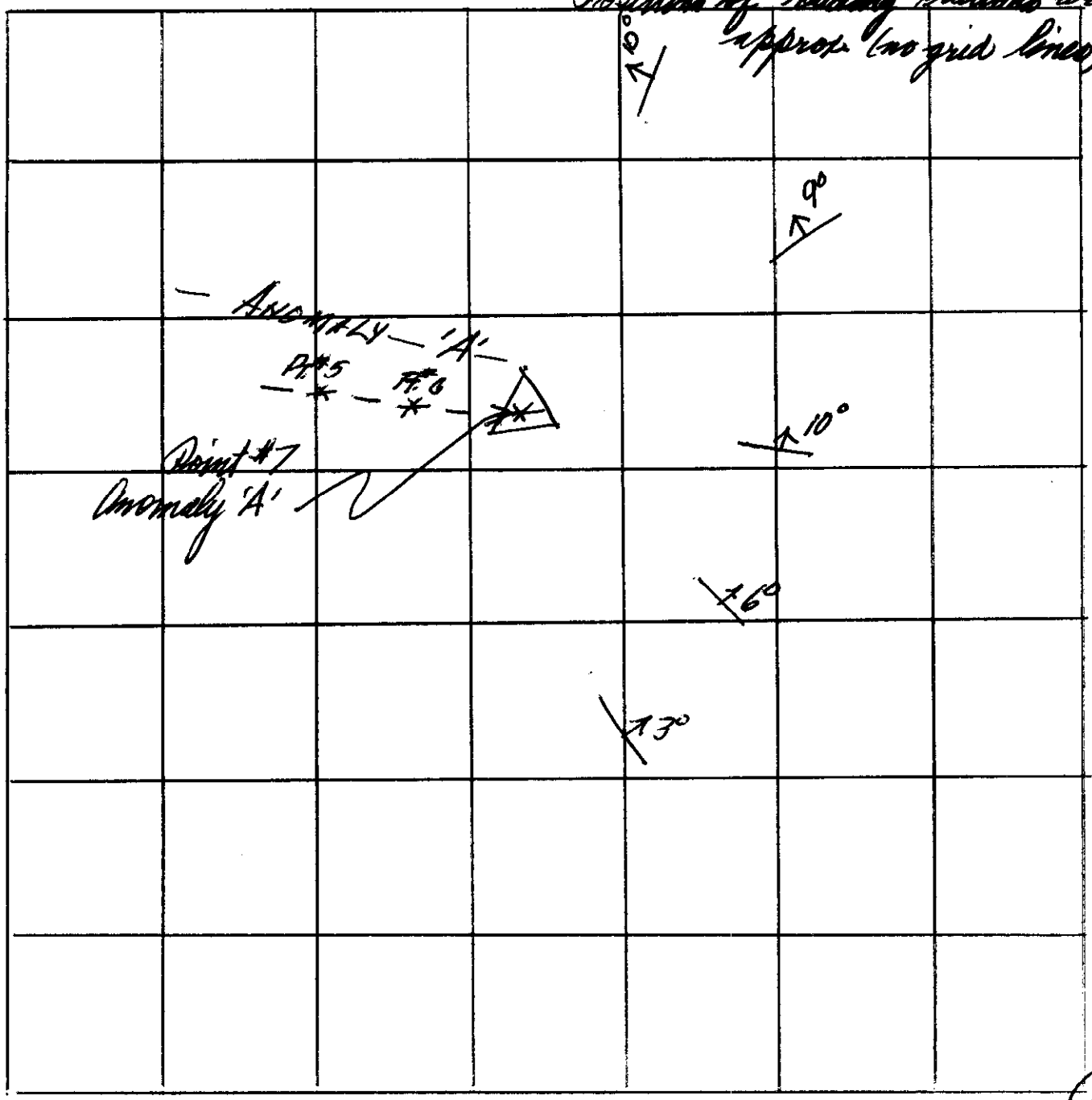
1" = 100 FT. approx.

Δ = loop location.

* = ZERO DIP

$\frac{\text{*}}{6^\circ}$ = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION 275 FT. N80E (mag.) from Point #7 on Anomaly 'A'.

AMP 1.0

DATE Dec. 5, 1959

BY G.L.O. & J.H.

N

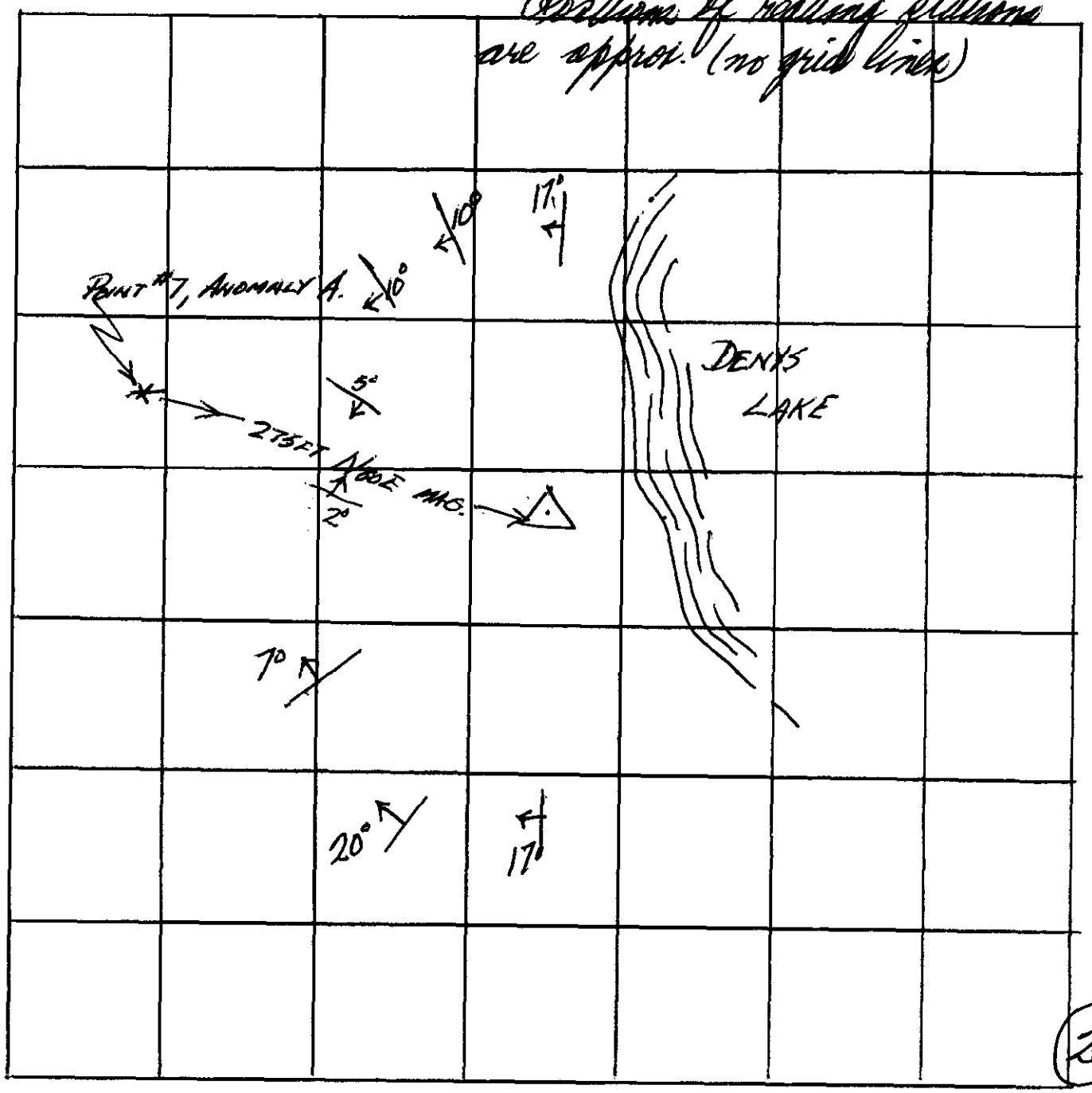
1" = 100 FT. approx.

Δ = loop location

✕ = ZERO DIP

↓16° = DIP IN DEGREES.

Positions of reading stations are approx. (no grid lines)



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GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION At 25' SHAFT WHICH IS S16W (MAG.) 147 FT. FROM GOLDEN WONDER 100 FT. SHAFT.

AMP 1.0

DATE Dec. 5, 1959

BY G.L.O. & J.H.

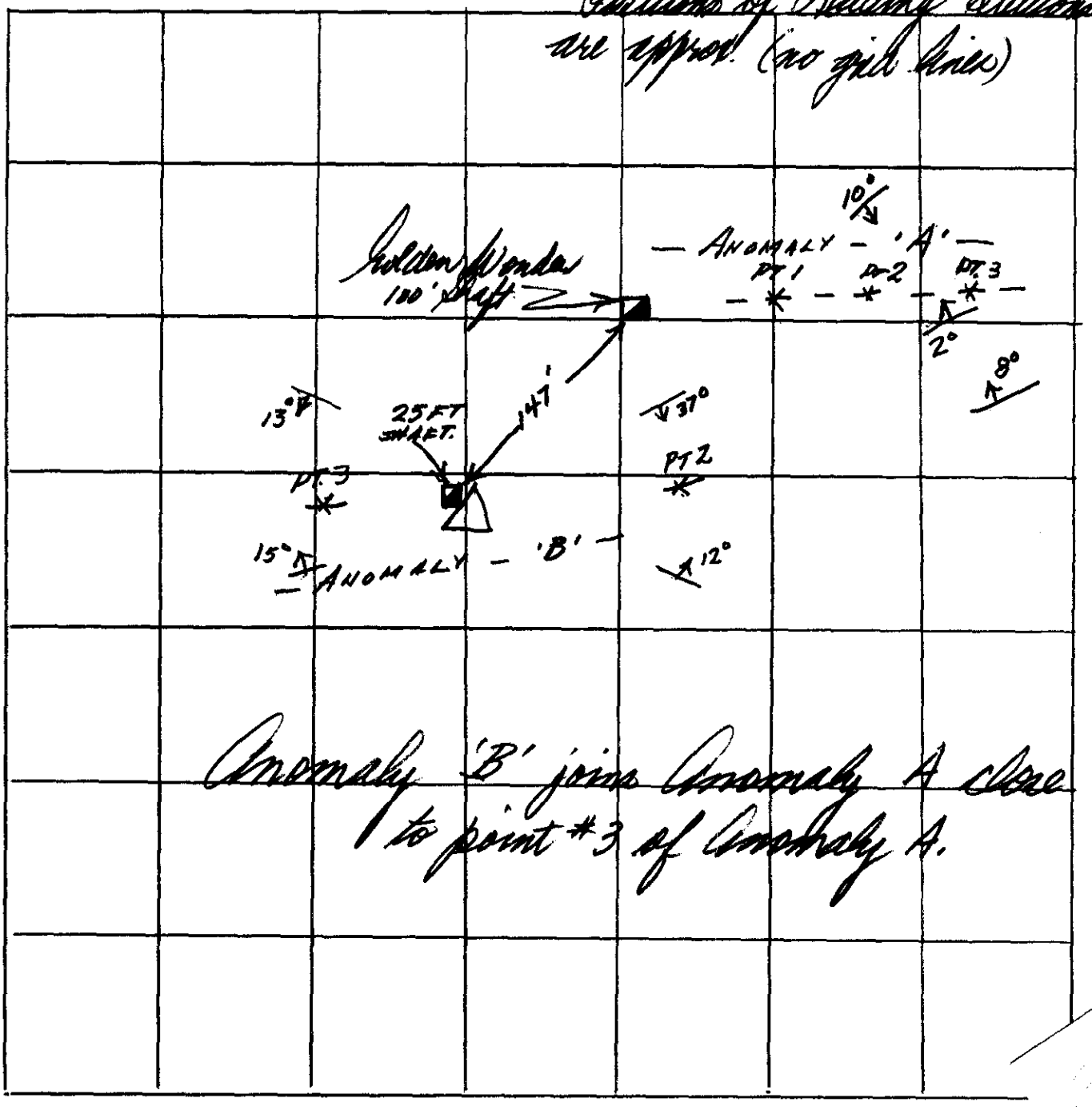
N

1" = 100 FT. approx.

Δ = loop location

* = ZERO DIP

↓6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Wonder

LOOP LOCATION R 1 SOUTH

AMP 10

DATE Jan. 11, 1960

BY L.L.B. & ~~Harry Butler~~ Jack Hendelpeck

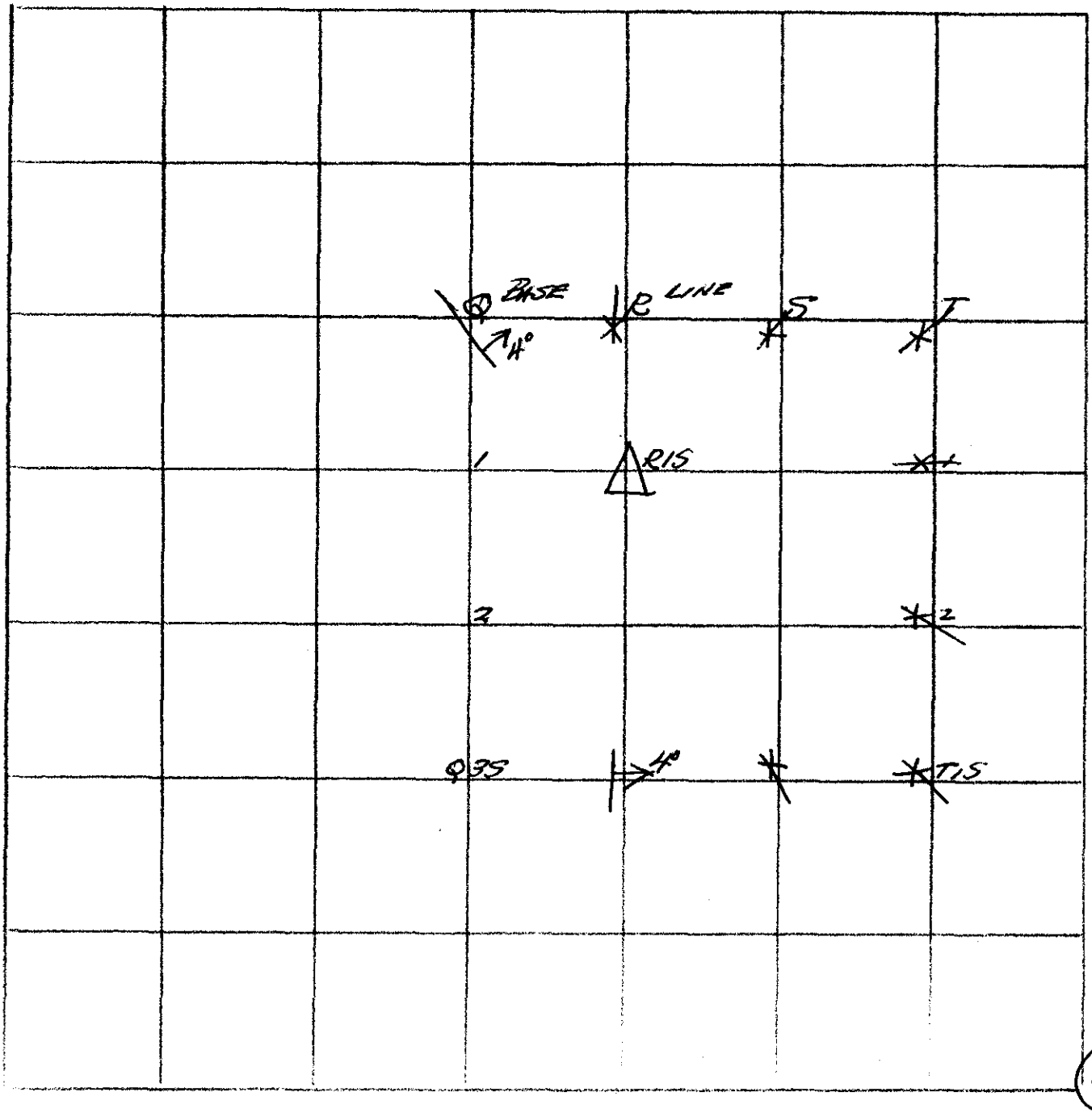
N

1" = 100 FT VERT.
125 FT. HOR.

Δ = loop location

✳ = ZERO DIP

$\overset{\downarrow}{6°}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION R 4 SOUTH

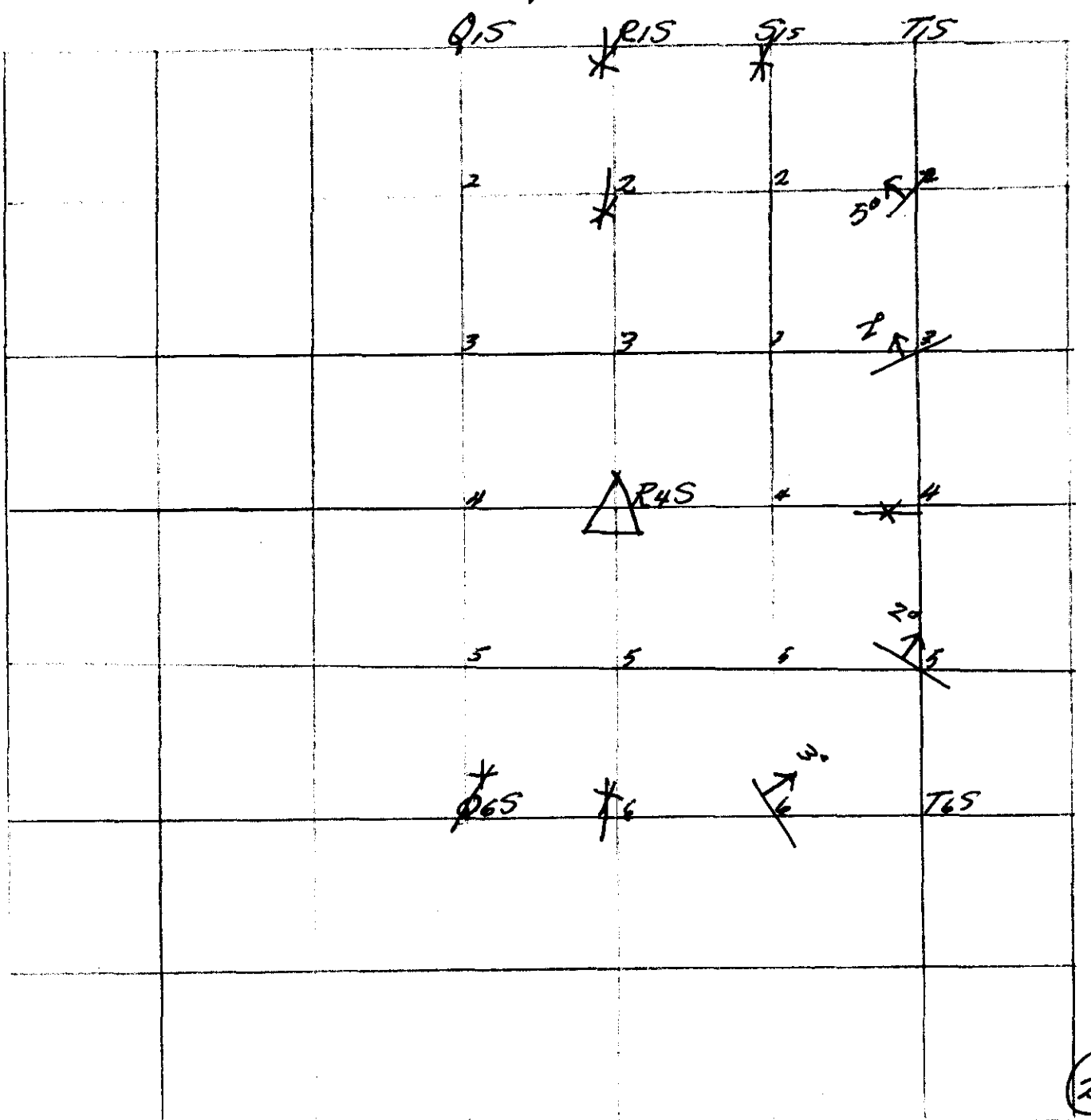
AMP 1.0

DATE Jan. 11, 1960

BY L.L.O. & ~~J.R.~~ J.R.

1" = 100 FT. VERT.
125 FT. HOR.

Δ = loop location
× = ZERO DIP
↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION R 7 SOUTH

AMP 1.0

DATE Jan. 11, 1960

BY G.L.B. & ~~J.A.~~ J.A.

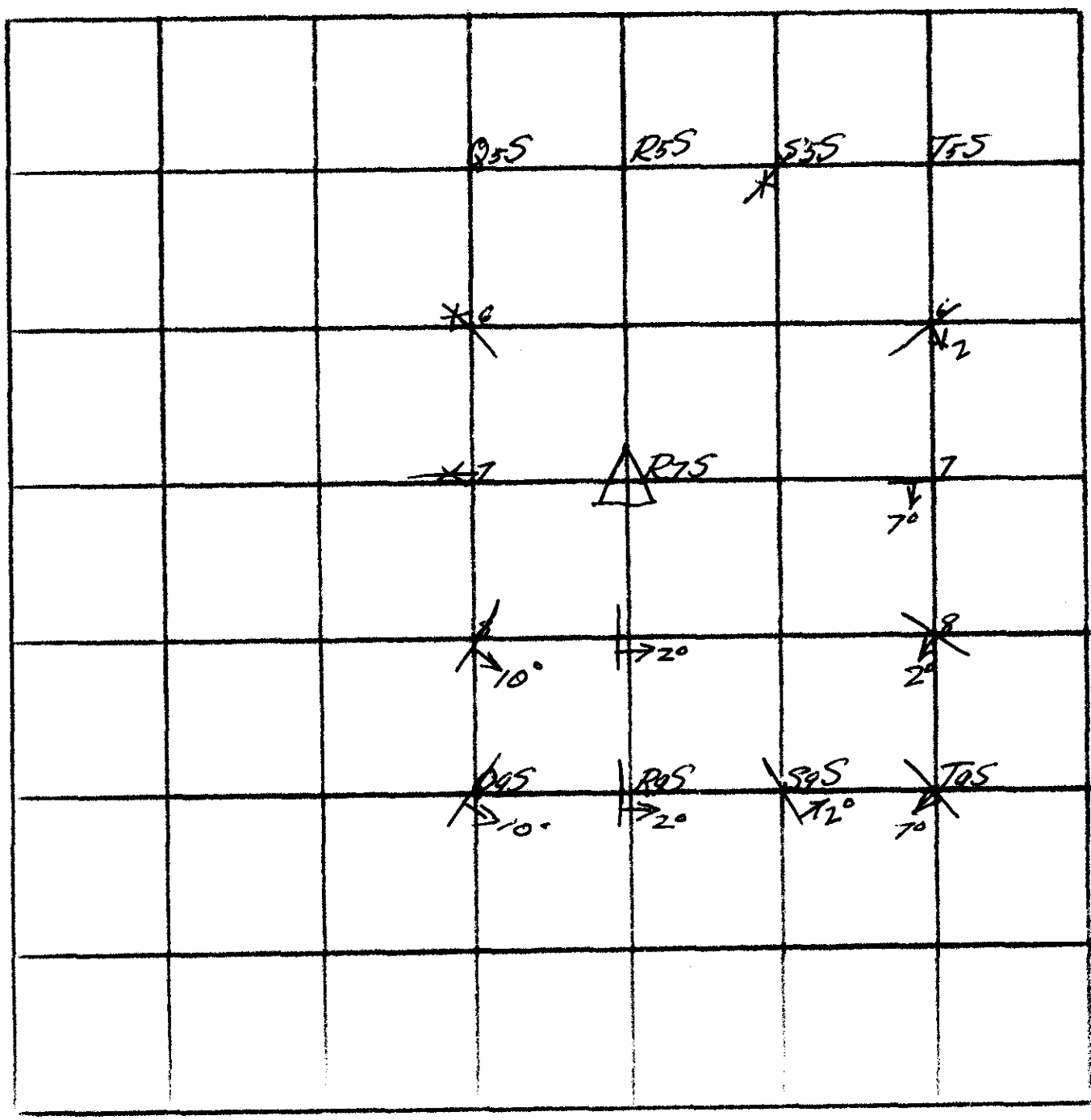
N

1" = 100' VERT.
1" = 125' HOR.

Δ = loop location

✳ = ZERO DIP

↓ 6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION T8450 SOUTH

AMP 1.0

DATE Jan. 11 1960

BY H.C. & ~~H.B.~~ J.P.

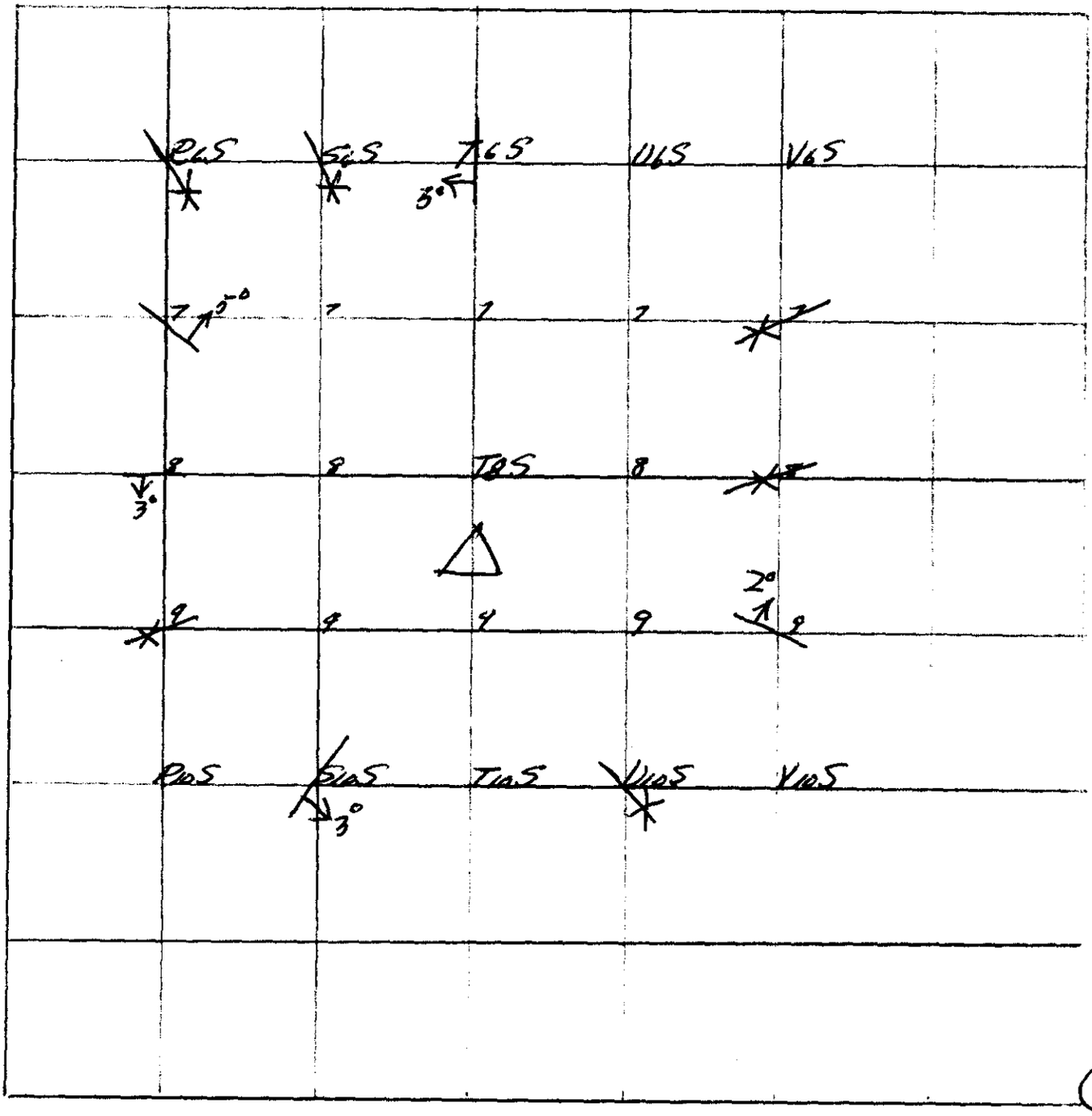
N

1" = 100' VERT.
125' HOR.

Δ = loop location

✳ = ZERO DIP

↓60° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION T5+50 South

AMP 4.0

DATE Jan. 12, 1960

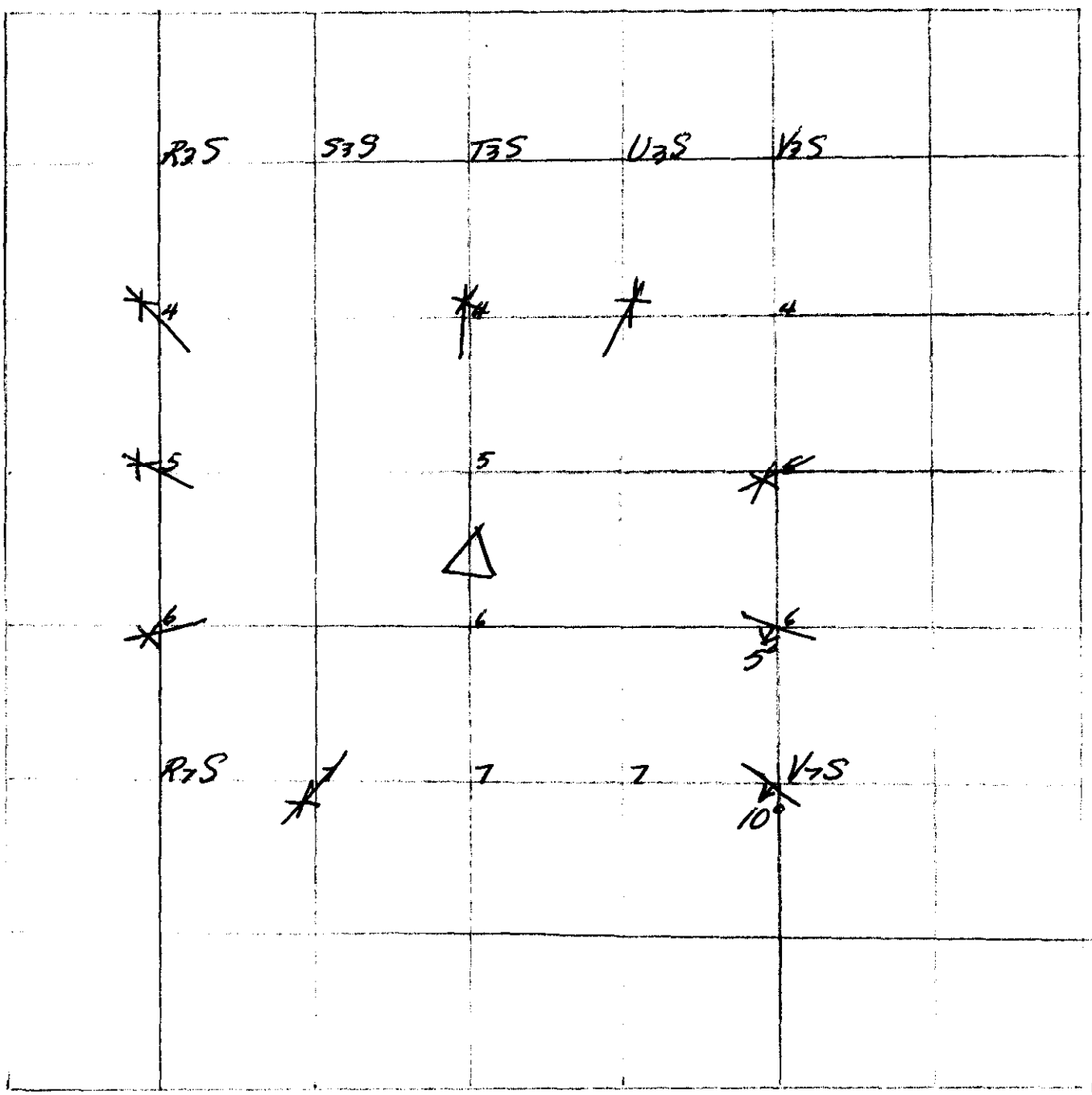
BY G.D. & J.H.

1" = 100' VERT.
125' HOR.

Δ = loop location

\+ = ZERO DIP

$\overset{\downarrow}{6°}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION T2+50 SOUTH.

AMP 1.0

DATE Jan. 12, 1960.

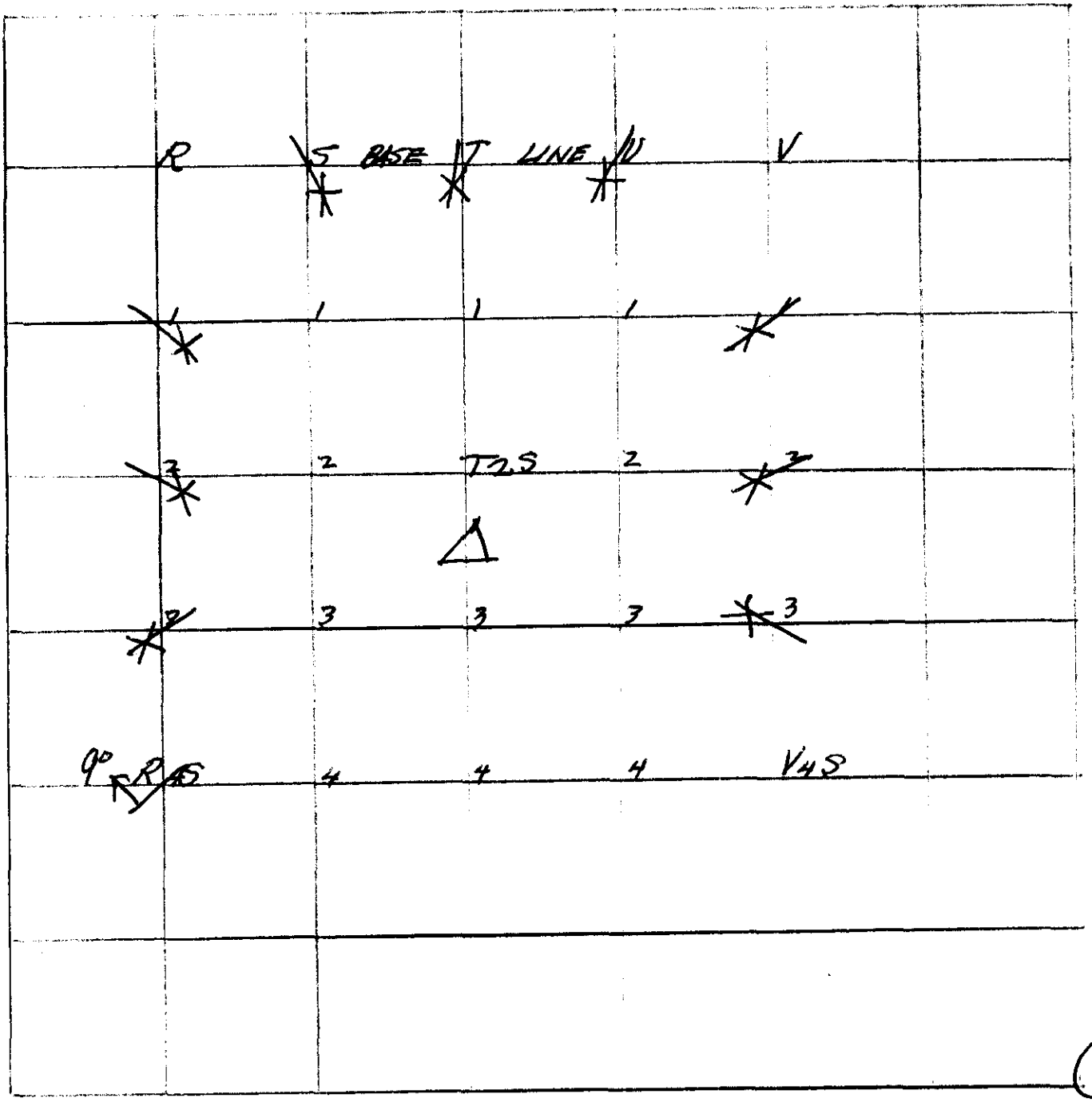
BY G.C. & J.F.

1" = 100' VERT.
125' HOR.

△ = loop location

✳ = ZERO DIP

↓10/60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION V1 SOUTH

AMP 1.0

DATE Jan. 12 1960

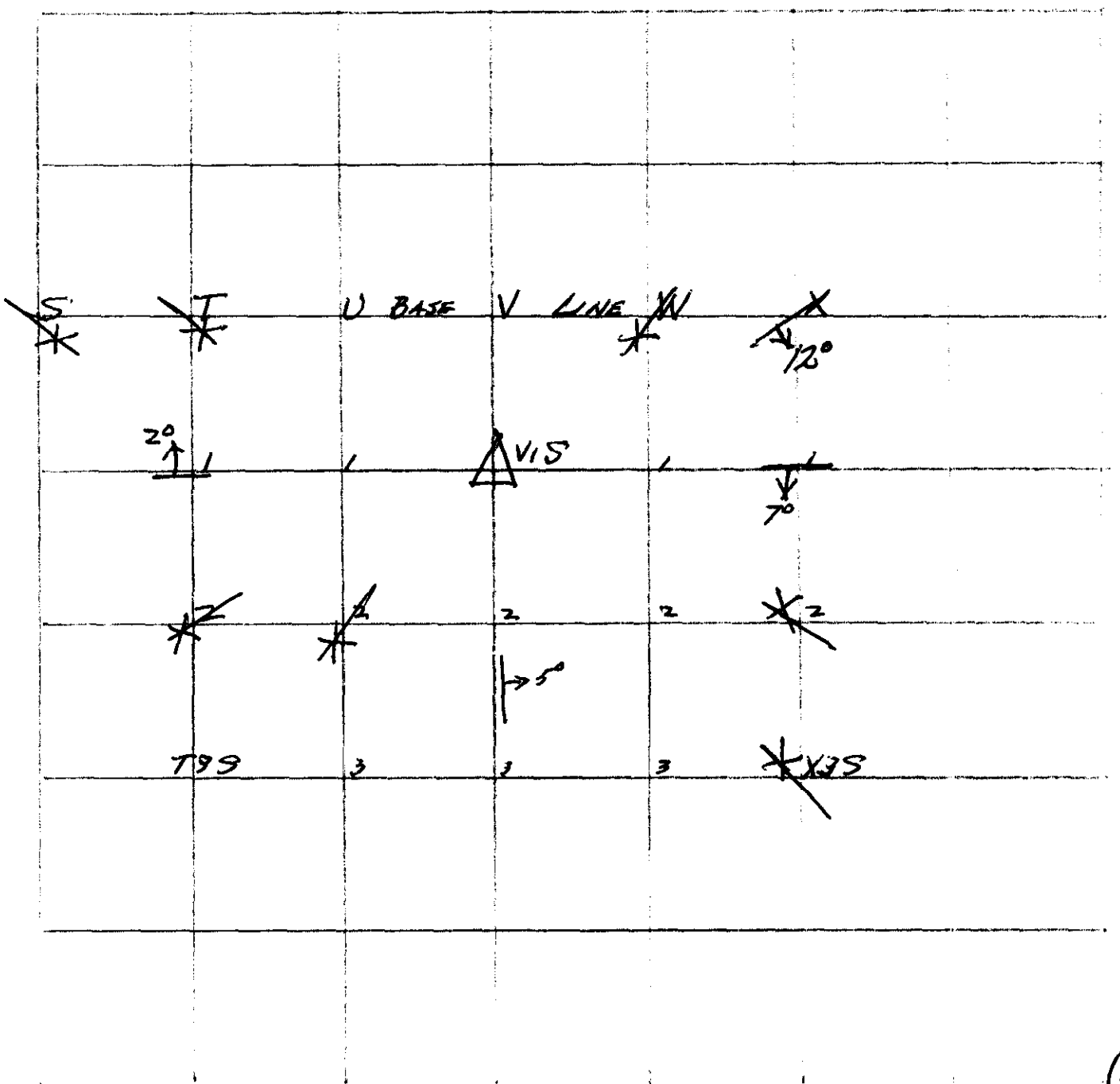
BY L.P.O. J.H.

1" = 100' VERT.
125' HOR.

Δ = loop location

✳ - ZERO DIP

$\overset{\downarrow}{6^\circ}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION V4 SOUTH

AMP 1.0

DATE Jan. 12, 1960

BY E.O. & J.H.

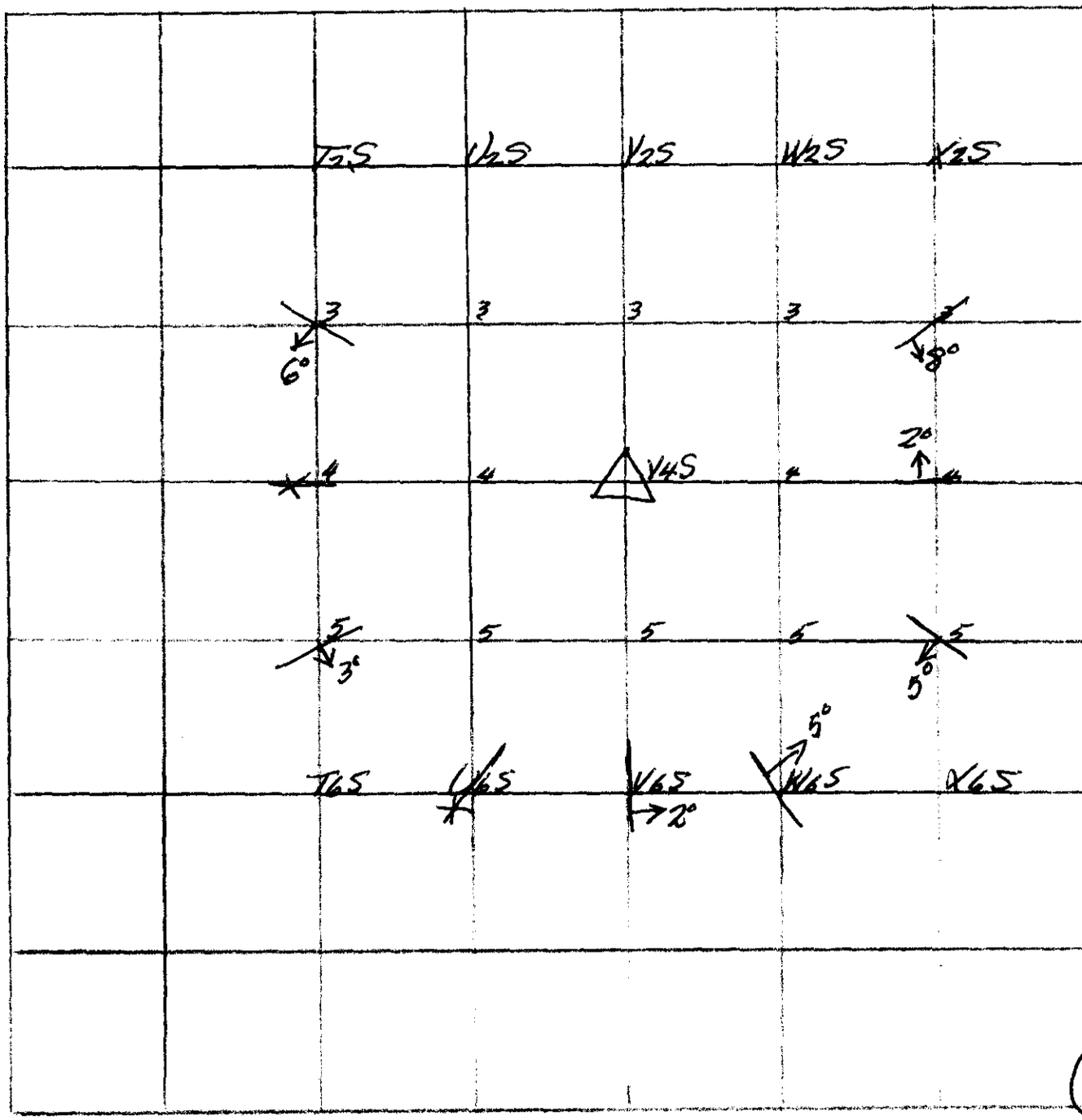
N

1" = 100' VERT.
125' HOR.

△ = loop location

✳ = ZERO DIP

$\overset{\downarrow}{6^\circ}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT No: Golden Wonder

LOOP LOCATION: V7 500TH

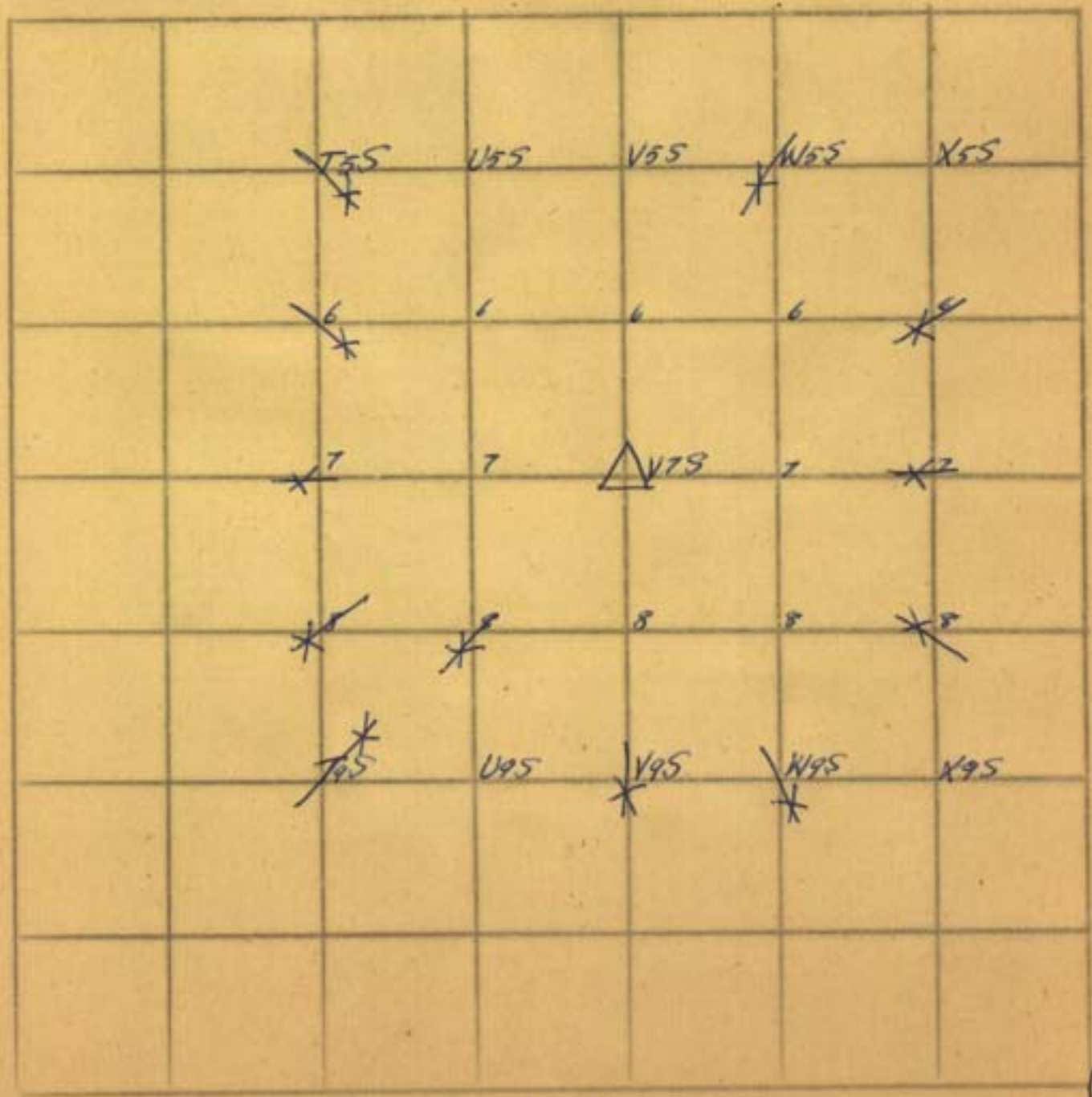
AMP: 1.0

DATE: Jan. 14, 1960

BY: [illegible] & J. H.

1" = 100' VERT.
125' HOR.

Δ = Loop location
* = ZERO DIP
↓ 6° = DIP IN DEGREES



30

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION X 8450 SOUTH.

AMP 1.0

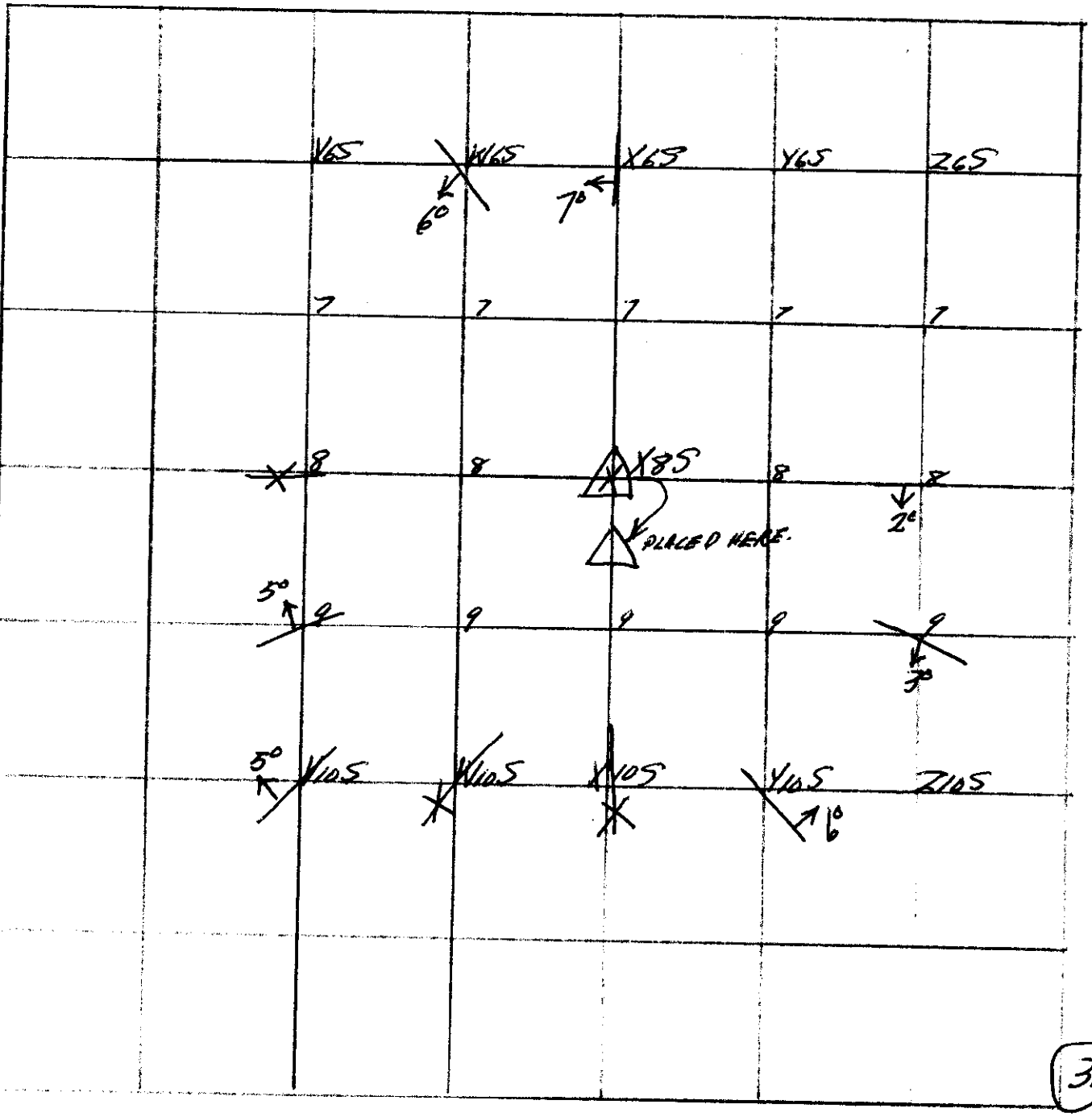
DATE Jan. 14, 1960

BY G.C. & ~~M.B.~~ J.R.

N

1" = 100' VERT.
125' HOR.

Δ = loop location
× = ZERO DIP
↓60° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION X5+50 SOUTH

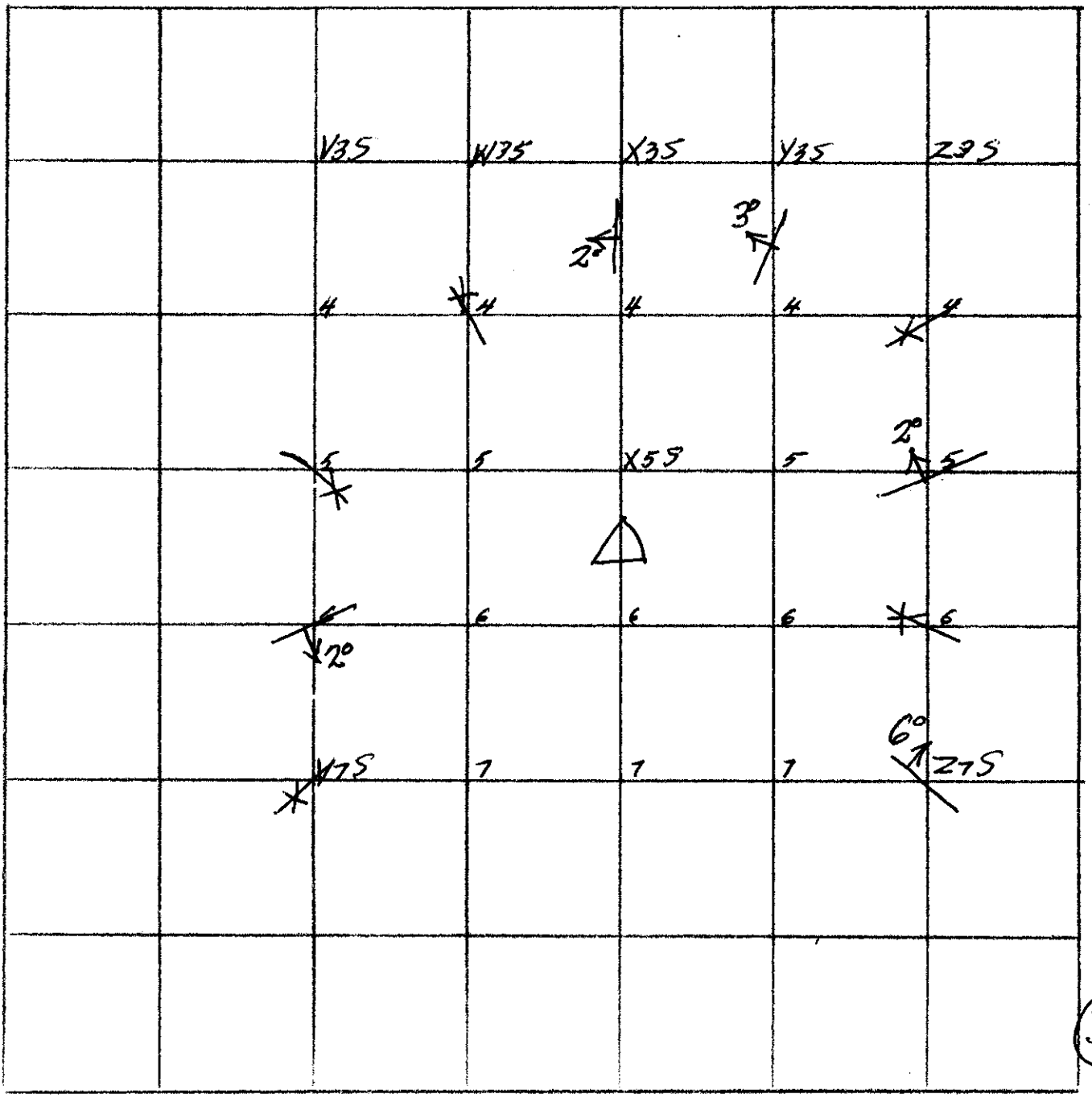
AMP 10

DATE Jan. 14, 1960

BY G.H.C. & J.A.

1" = 100' VERT.
125' HOR.

△ = loop location
✕ = ZERO DIP
↓60° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION X2+50 SOUTH

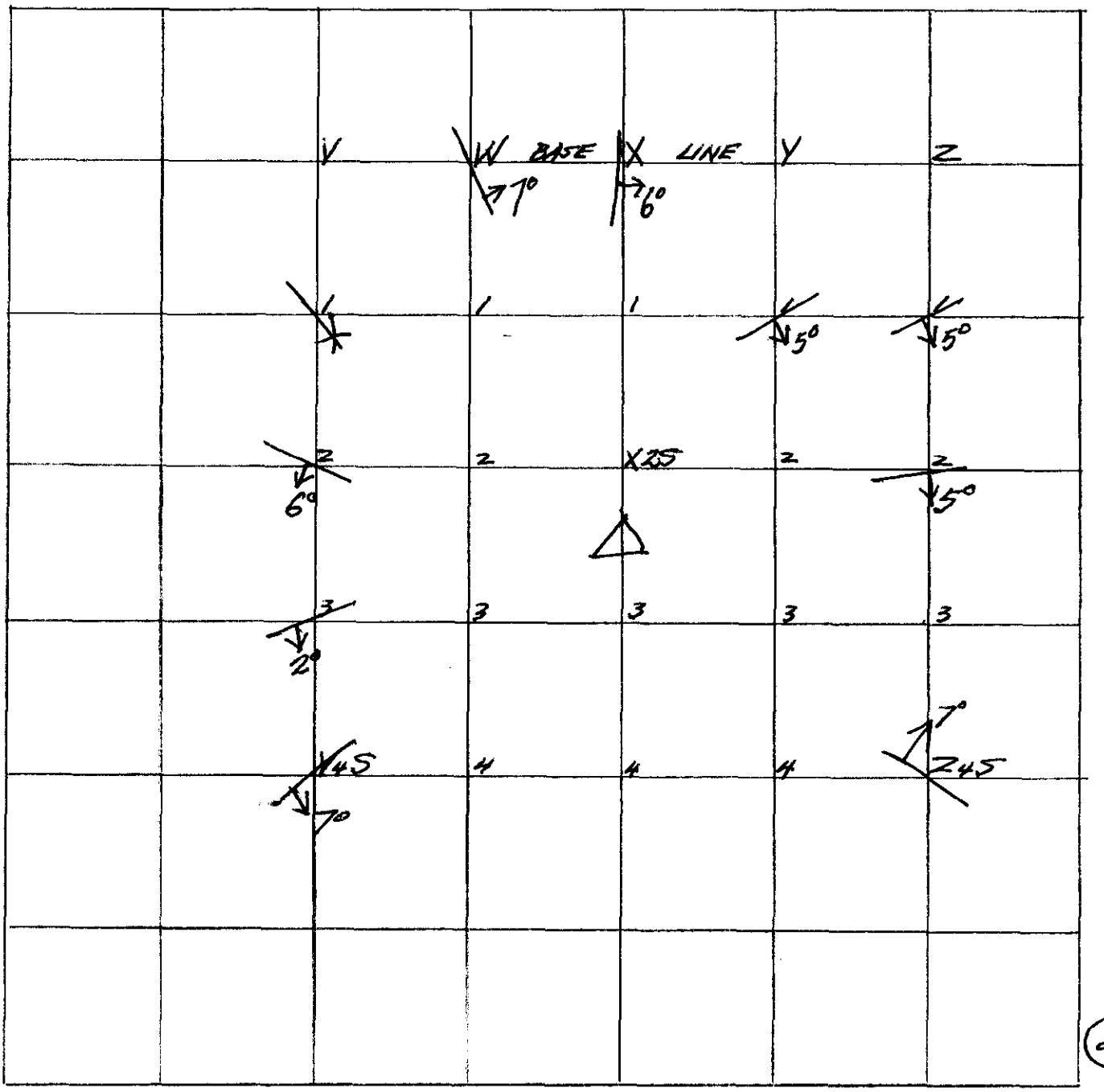
AMP. 1.0

DATE Jan. 14, 1960

BY E.L.C. & J.H.

1" = 100' VERT.
125' HOR.

△ = loop location
× = ZERO DIP
↓6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION Z1 SOUTH

AMP. 1.0

DATE Jan. 18 1960

BY L.C. & ~~W.B.~~ J.A.

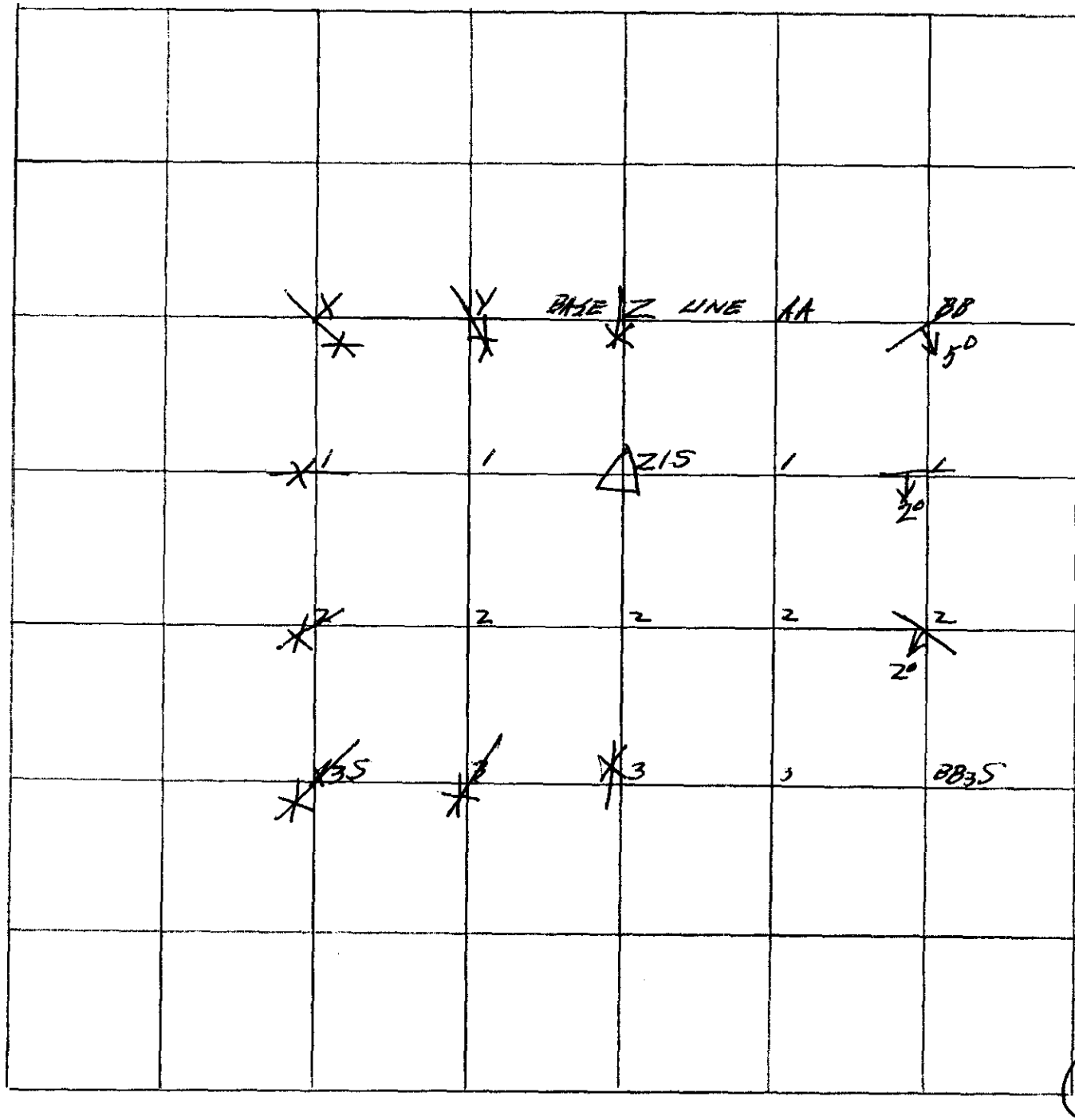
N

1" = 100' VERT.
125' HOR.

Δ = loop location

× = ZERO DIP

↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION Z4 SOUTH.

AMP. 1.0

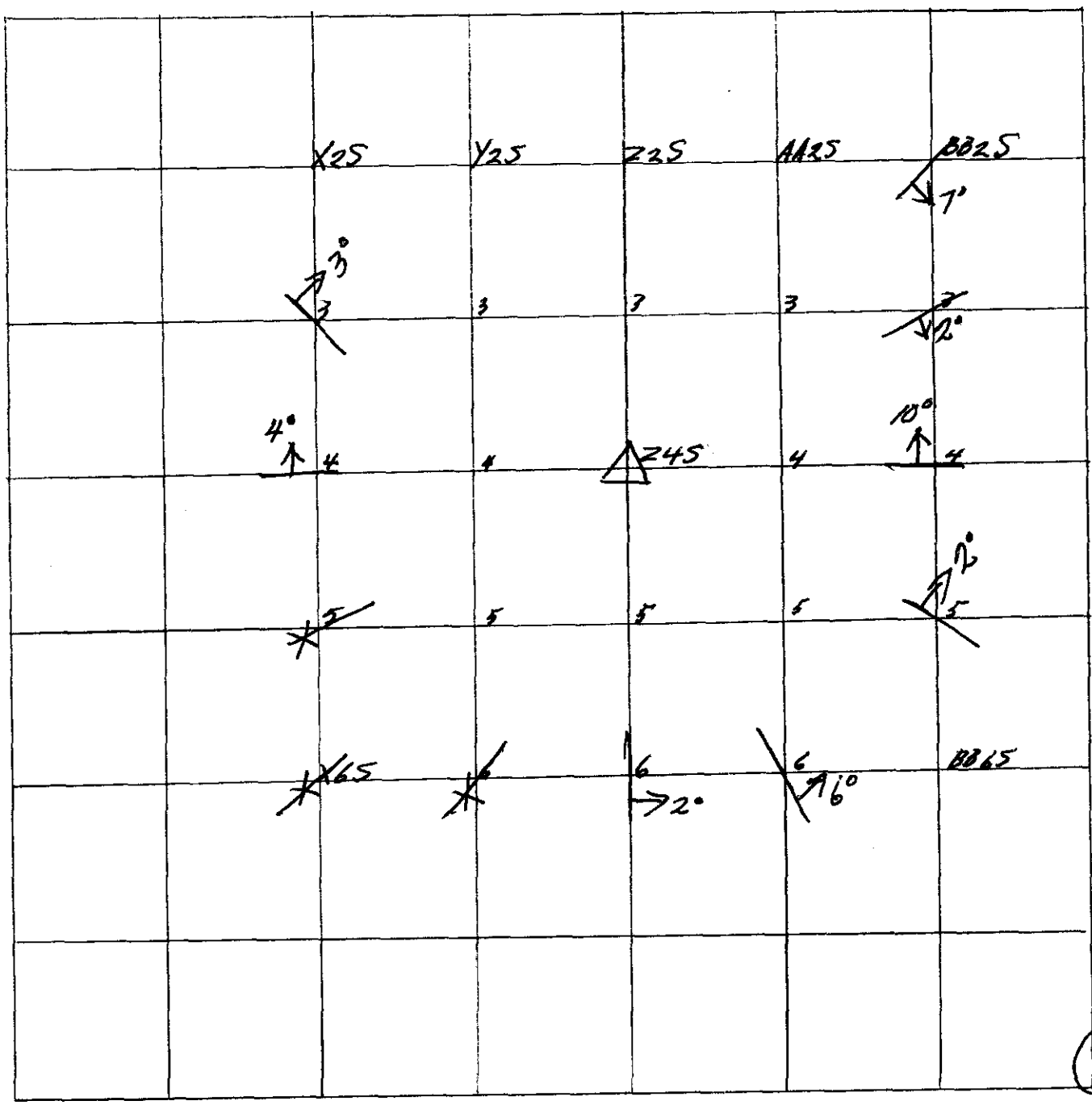
DATE Jan. 18 1960

BY G.L.O. & J.H.

N

1" = 100' VERT
125' HOR.

Δ = loop location
✕ = ZERO DIP
↓60 = DIP IN DEGREES



B5

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION 27 SOUTH

AMP. 1.0

DATE Jan. 18, 1960

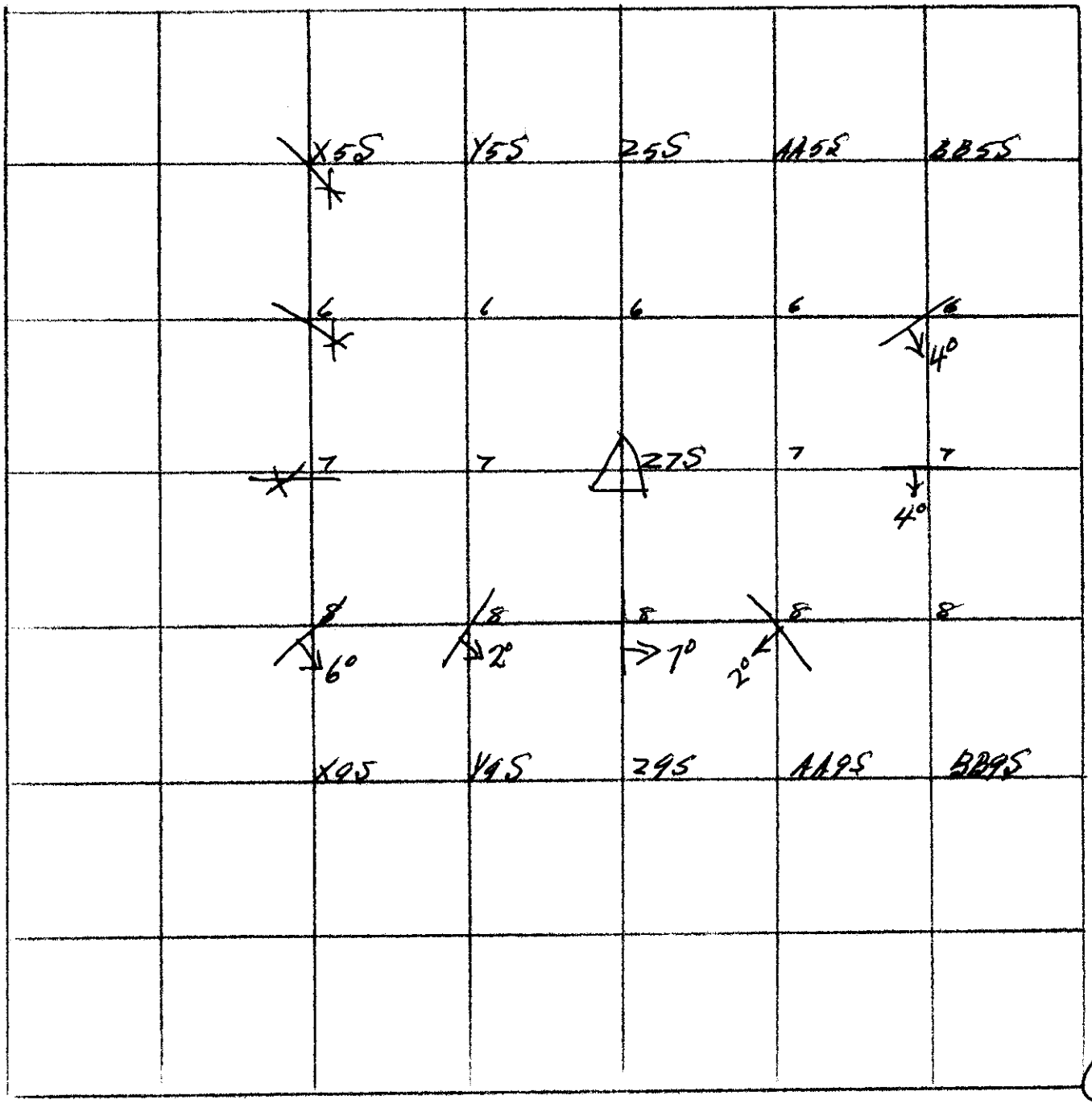
BY G.L.O. & ~~W.B.~~ J.H.

1" = 100' VERT.
125' HOR.

△ = loop location

× = ZERO DIP

$\overset{\downarrow}{60}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT № Golden Wonder

LOOP LOCATION BB 8+50 SOUTH.

AMP. 1.0

DATE Jan. 18 1960

BY G.L.O. & ~~J.H.~~ J.H.

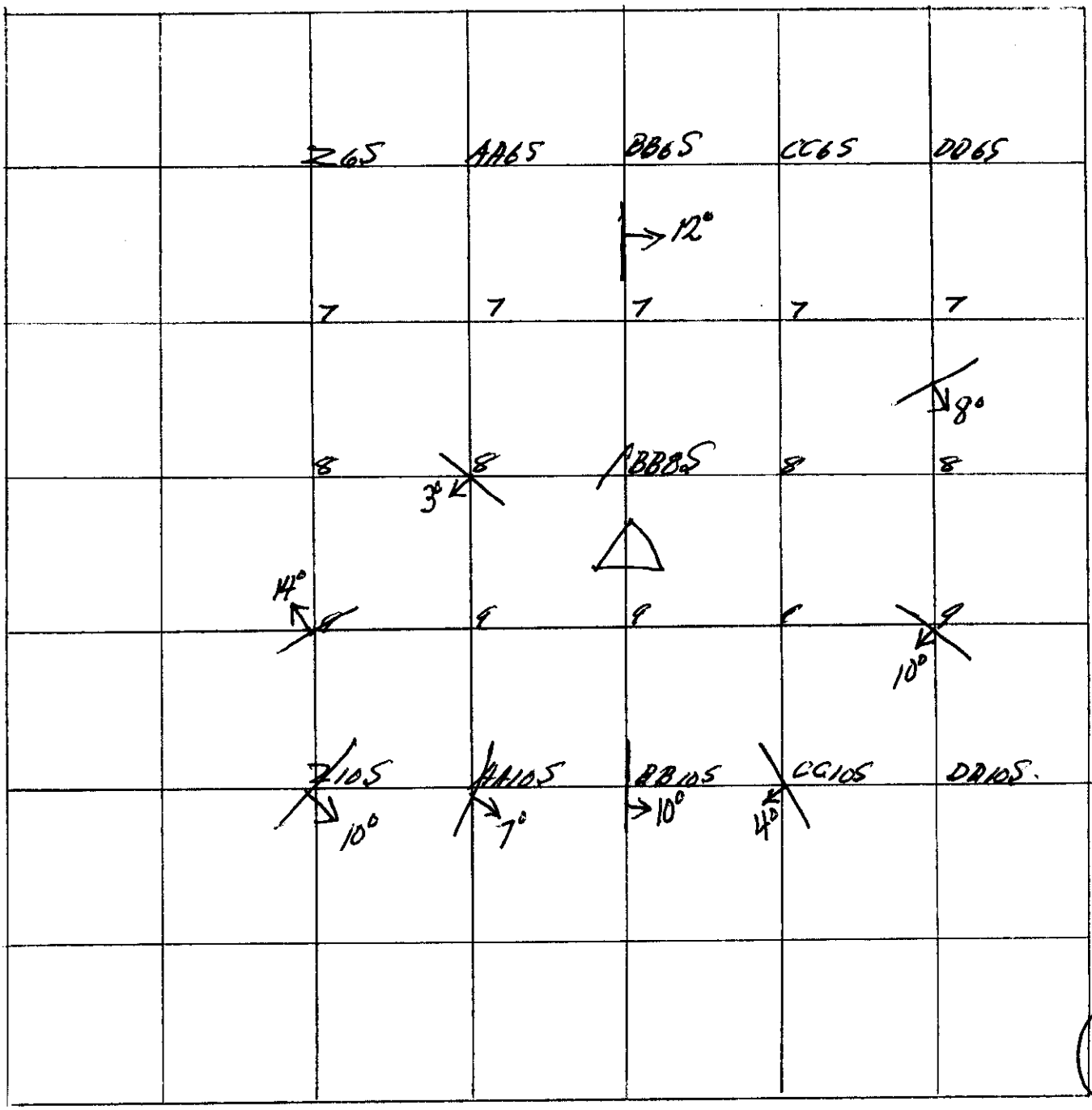
N

1" = 100' VERT.
125' HOR.

Δ = loop location

✕ = ZERO DIP

↓60° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Meander

LOOP LOCATION BB5+50 SOUTH

AMP 1.0

DATE Jan. 19 1960

BY G.L.O. & J.A.

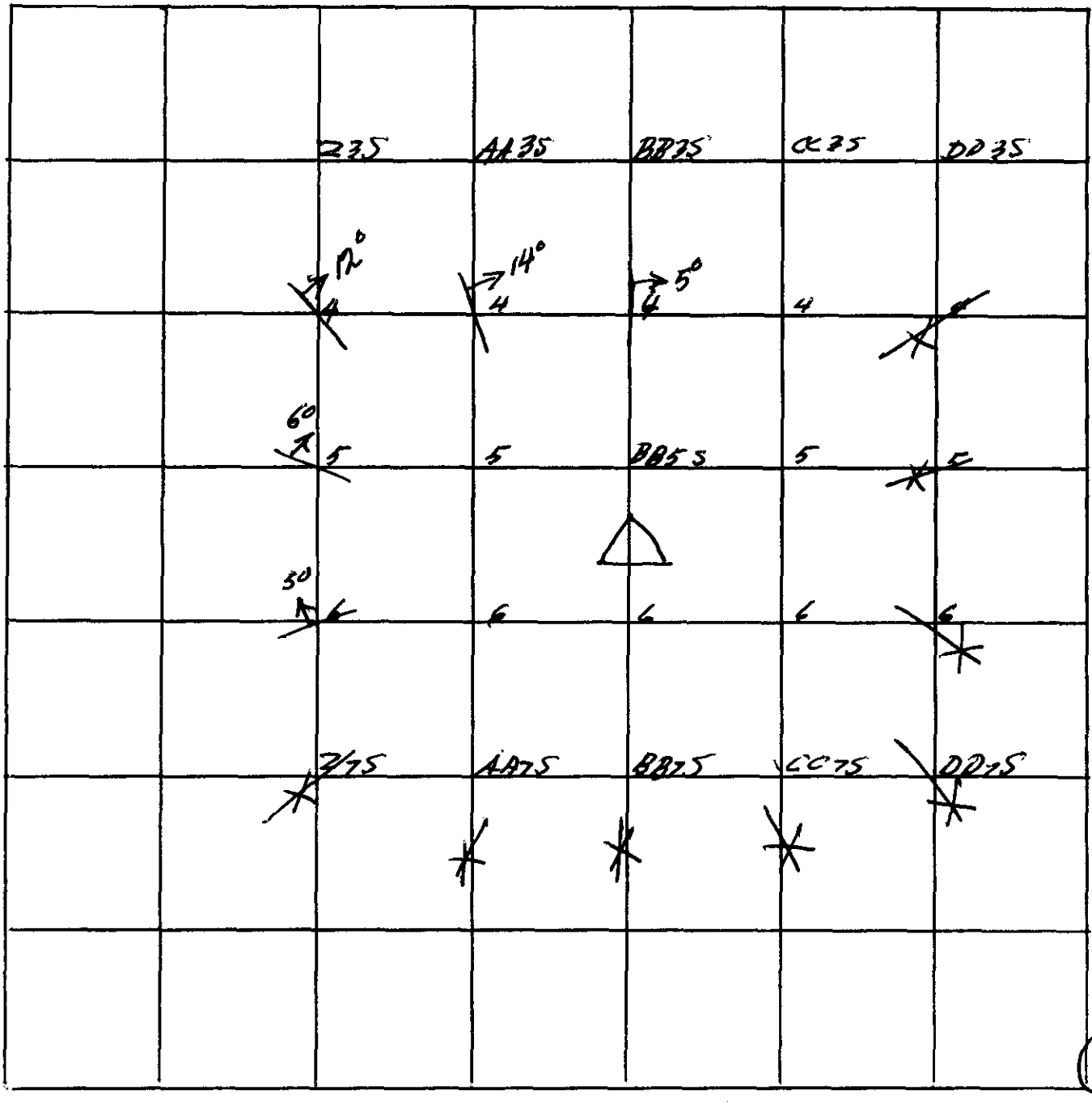
N

1" = 100' VERT.
125' HOR.

Δ = loop location

✳ = ZERO DIP

↓ 6° = DIP IN DEGREES.



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION BB 2+50 SOUTH

AMP 1.0

DATE Jan. 19, 1960

BY G.L.B. & J.B.

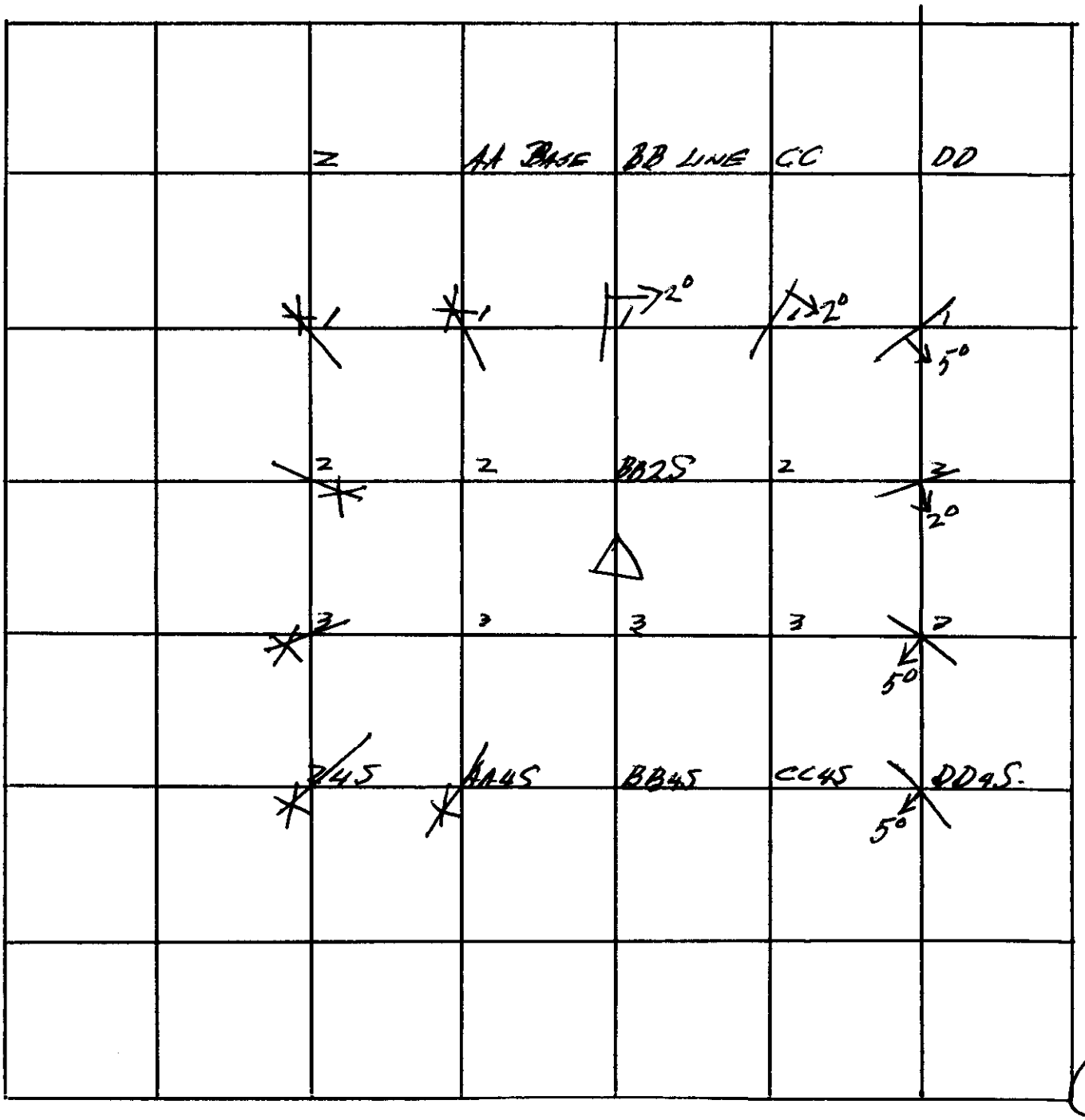
N

1" = 100' VERT.
125' HOR.

Δ = loop location

✳ = ZERO DIP

$\overset{\downarrow}{6^\circ}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION DD 7 SOUTH

AMP 60

DATE Jan. 19, 1960

BY G.C. & ~~J.R.~~ J.H.

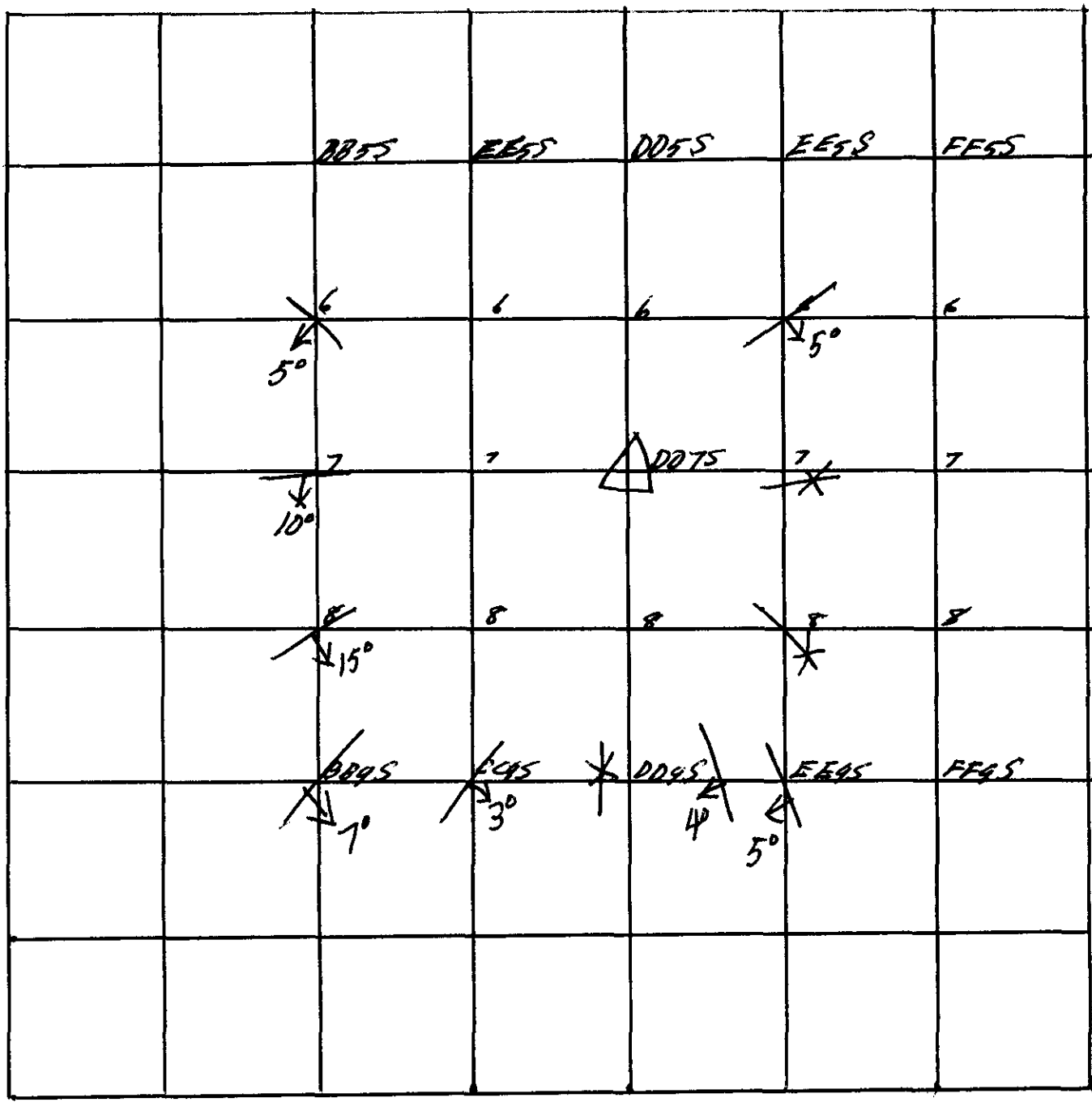
N

1" = 100' VERT.
125' HOR.

Δ = loop location

✳ = ZERO DIP

↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION FF 8+50 SOUTH.

AND 10

DATE Jan. 19, 1960

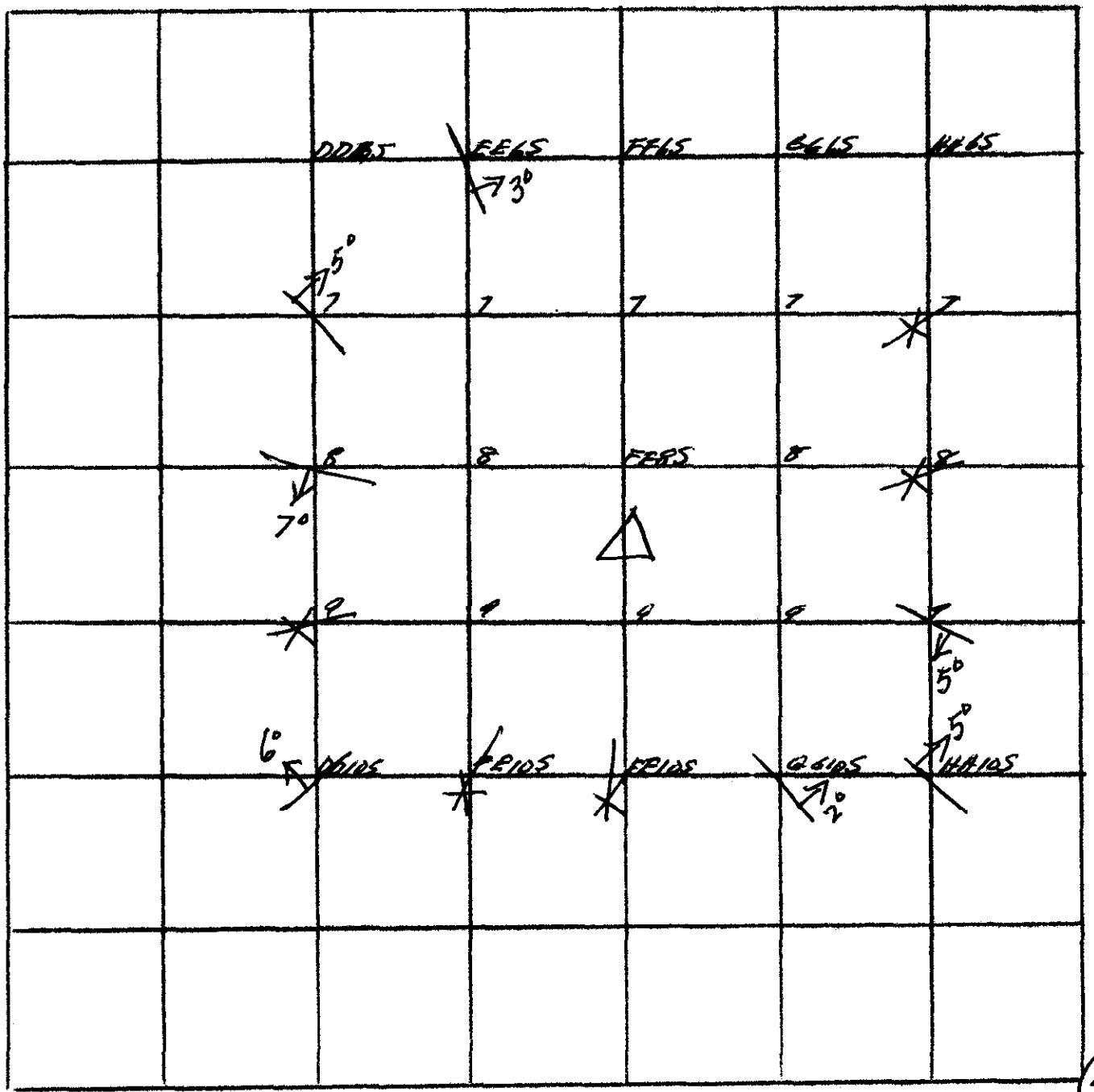
BY G.C. & ~~J.B.~~ J.A.

1" = 100' VERT.
125' HOR.

△ = Loop location

✳ = ZERO DIP

↓ 6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION DD 1 SOUTH.

AND 10

DATE Jan. 19, 1960

BY G.C. & ~~M. R.~~ J. H

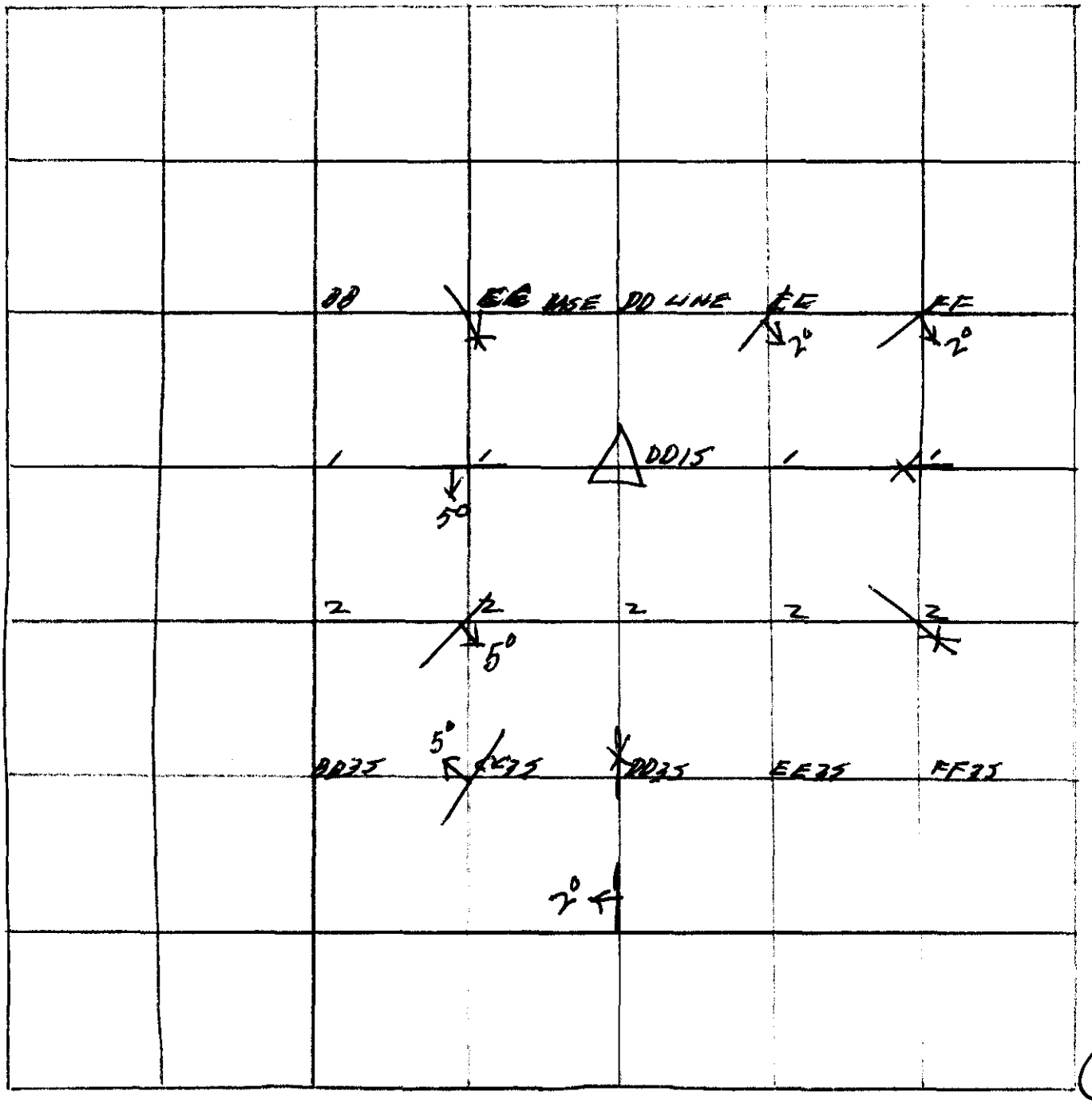
N

1" = 100' VERT.
125' HOR.

Δ = loop location

× = ZERO DIP

↓ 6° = DIP IN DEGREES



COPY

GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Wonder

LOOP LOCATION DD45

AMP 1.0

DATE Jan. 19, 1960

BY G.L.O. & ~~H.B.~~ J. H.

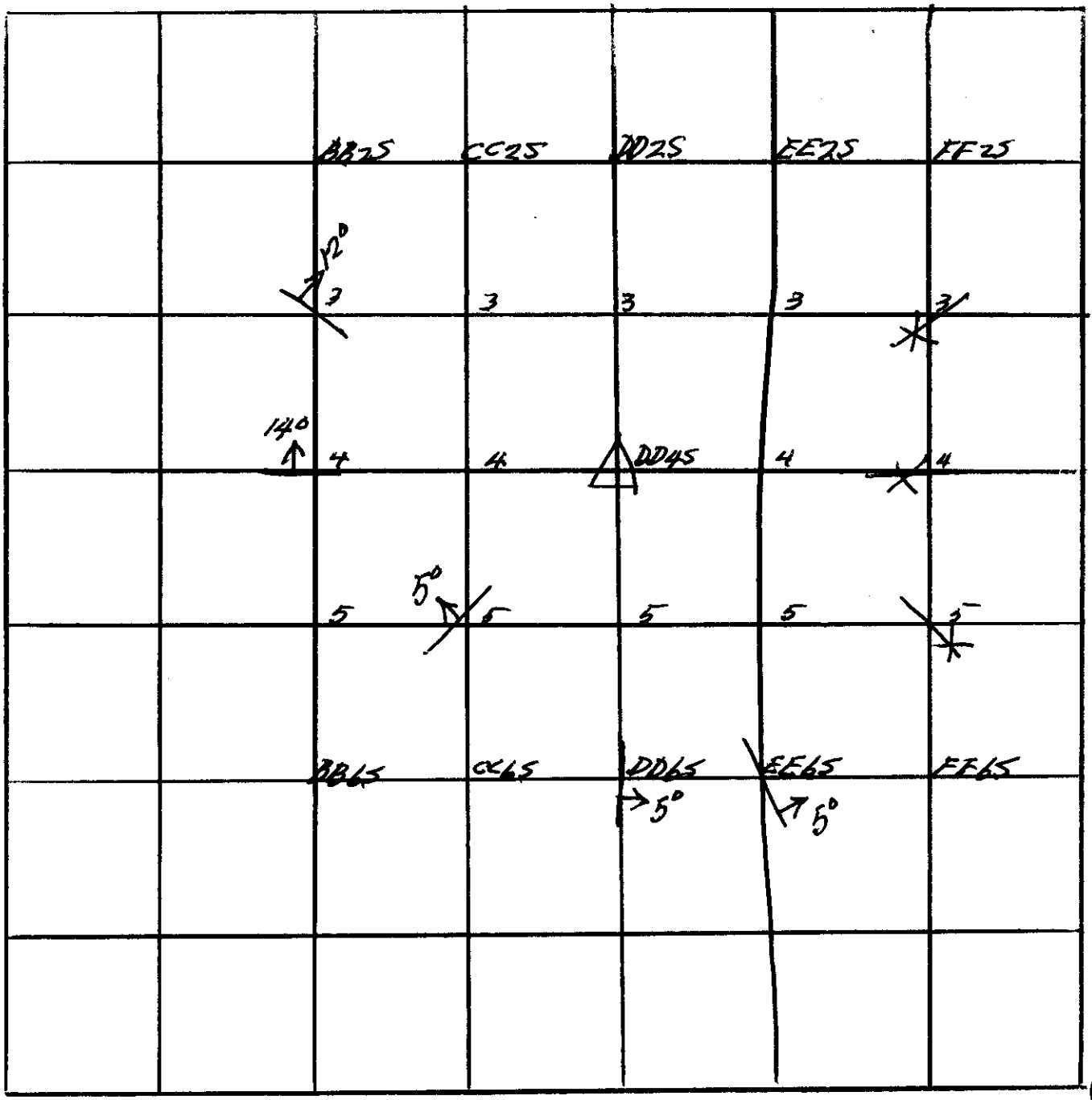
N

1" = 100' VERT.
125' HOR.

Δ = loop location

✕ = ZERO DIP

$\frac{\downarrow}{60°}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION FF5+50 South.

AMP 1.0

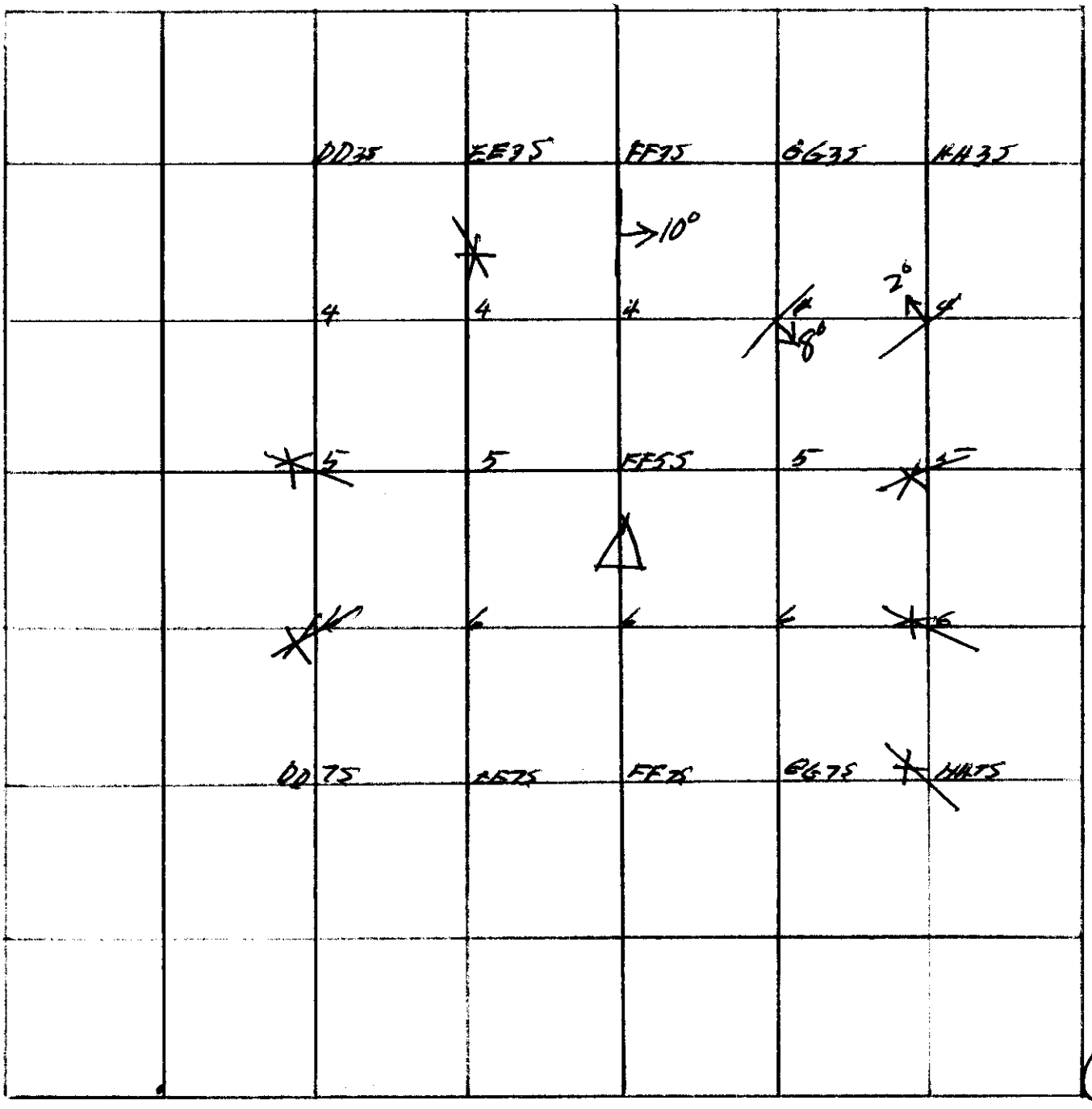
DATE Jan. 20, 1960

BY G.P. & J.H.

N

1" = 100' VERT.
125 HOR.

Δ = loop location
✳ = ZERO DIP
↓60° = DIP IN DEGREES



(44)

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Meadows

LOOP LOCATION FF ~~DD~~ 2+50 SOUTH

AMP 60

DATE Jan. 20, 1962

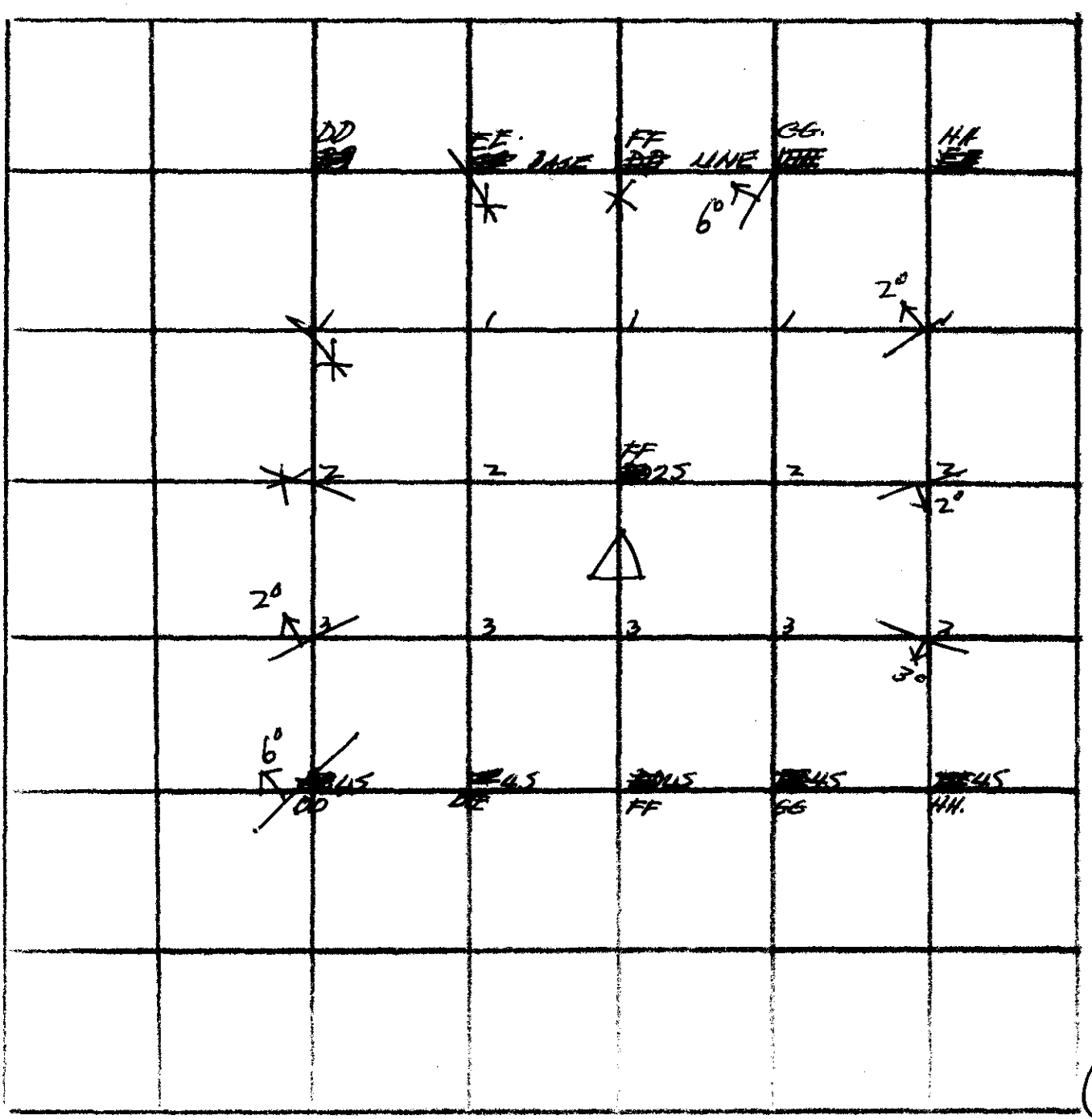
BY LLB & ~~R.B.~~ J.H.

1" = 100' VERT, 125' HOR.

Δ = loop location

× = ZERO DIP

↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION HH1 SOUTH

AMD 1.0

DATE Jan. 21, 1960

BY ~~G.L.B.~~ & ~~J.M.B.~~ J.H.

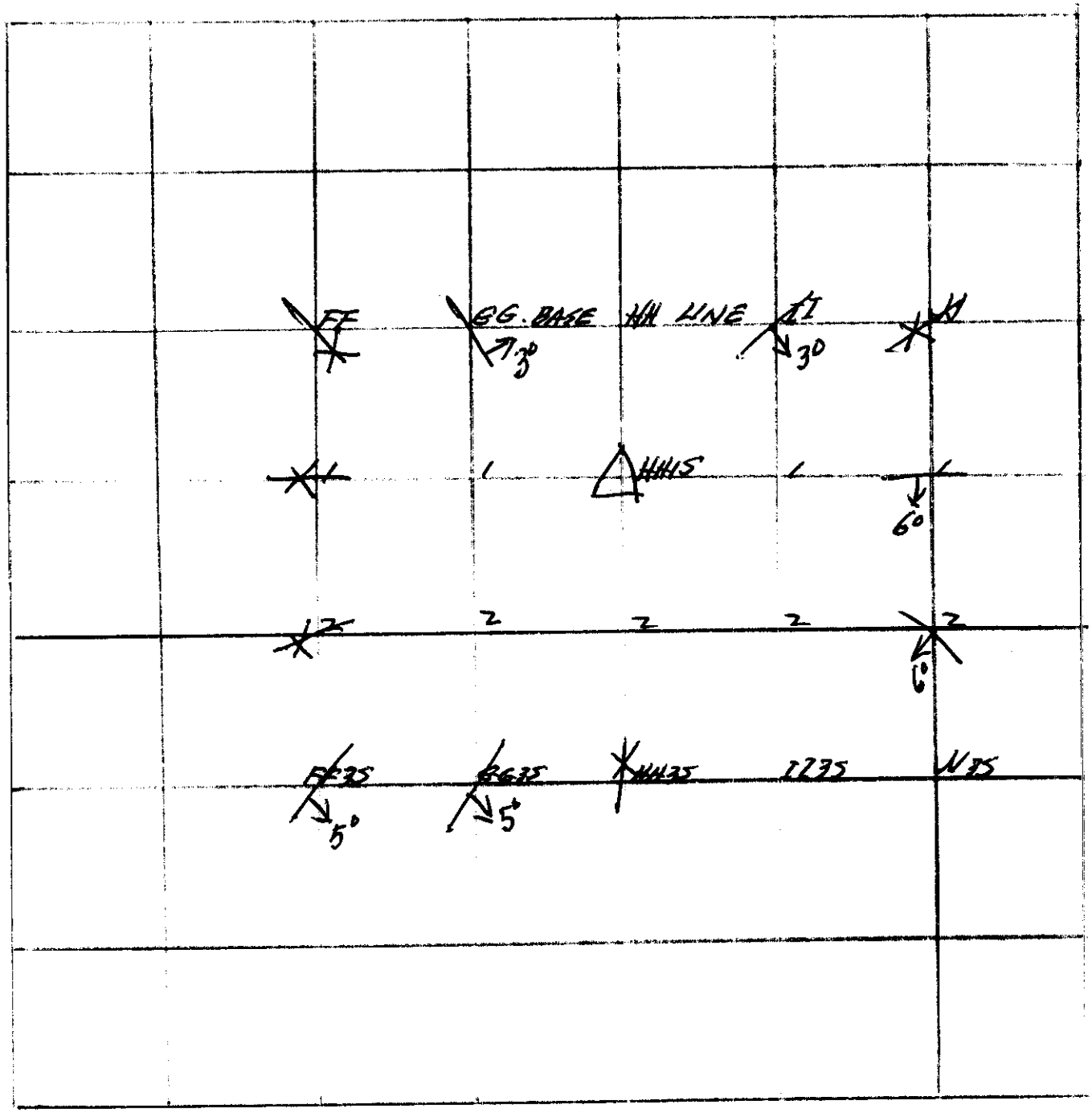
N

1"=100' VERT.
125' HOR.

Δ - loop location

✕ - ZERO DIP

↓ 6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION HH 4 SOUTH

AMP 1.0

DATE Jan. 21 1960

BY G.L.O. & ~~H.B.~~ J.H.

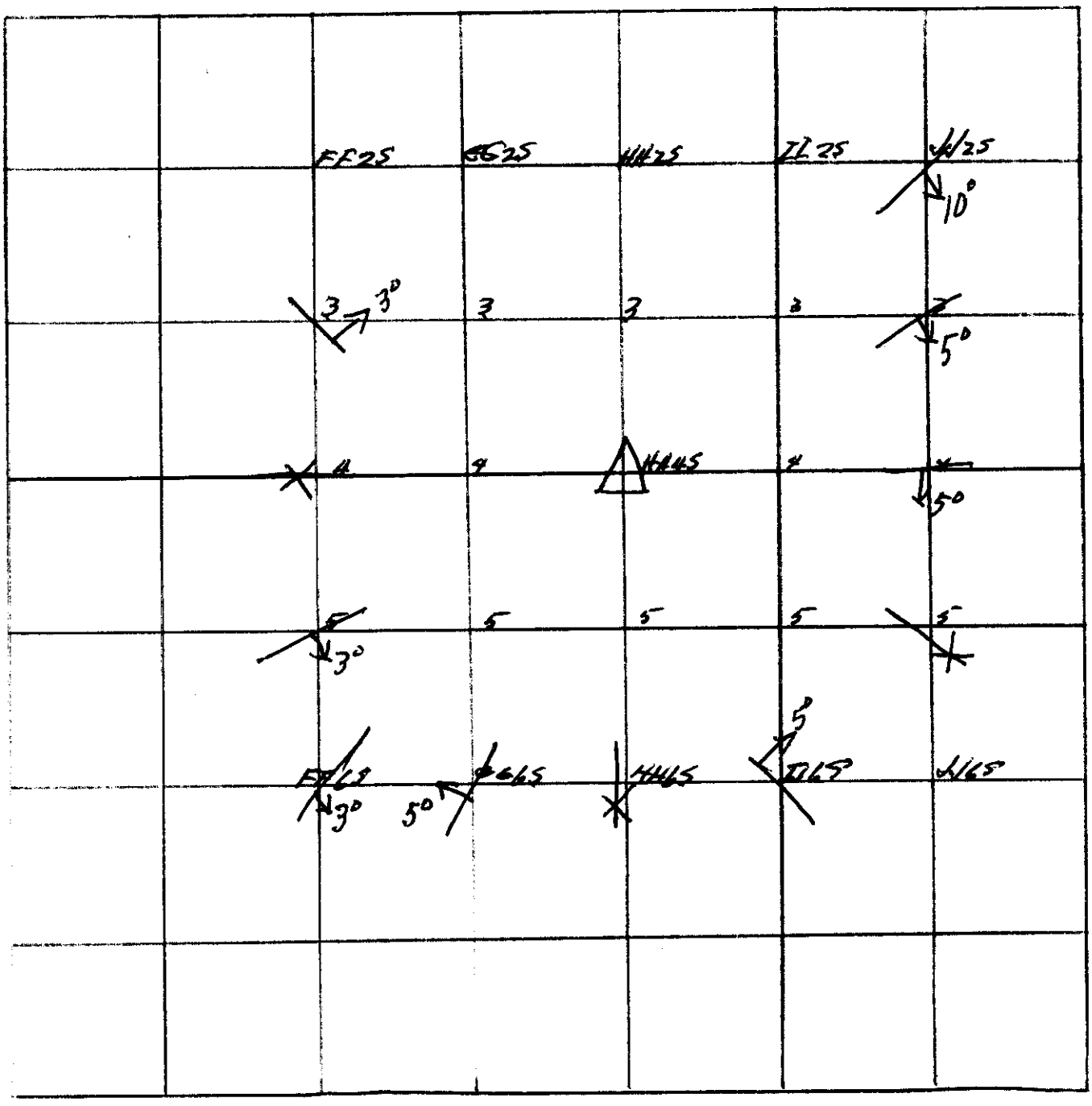
N

1" = 100' VERT.
125' HOR.

Δ = loop location

× = ZERO DIP

↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Gulfstream Venders

LOOP LOCATION HH 7 SOUTH

AMP 10

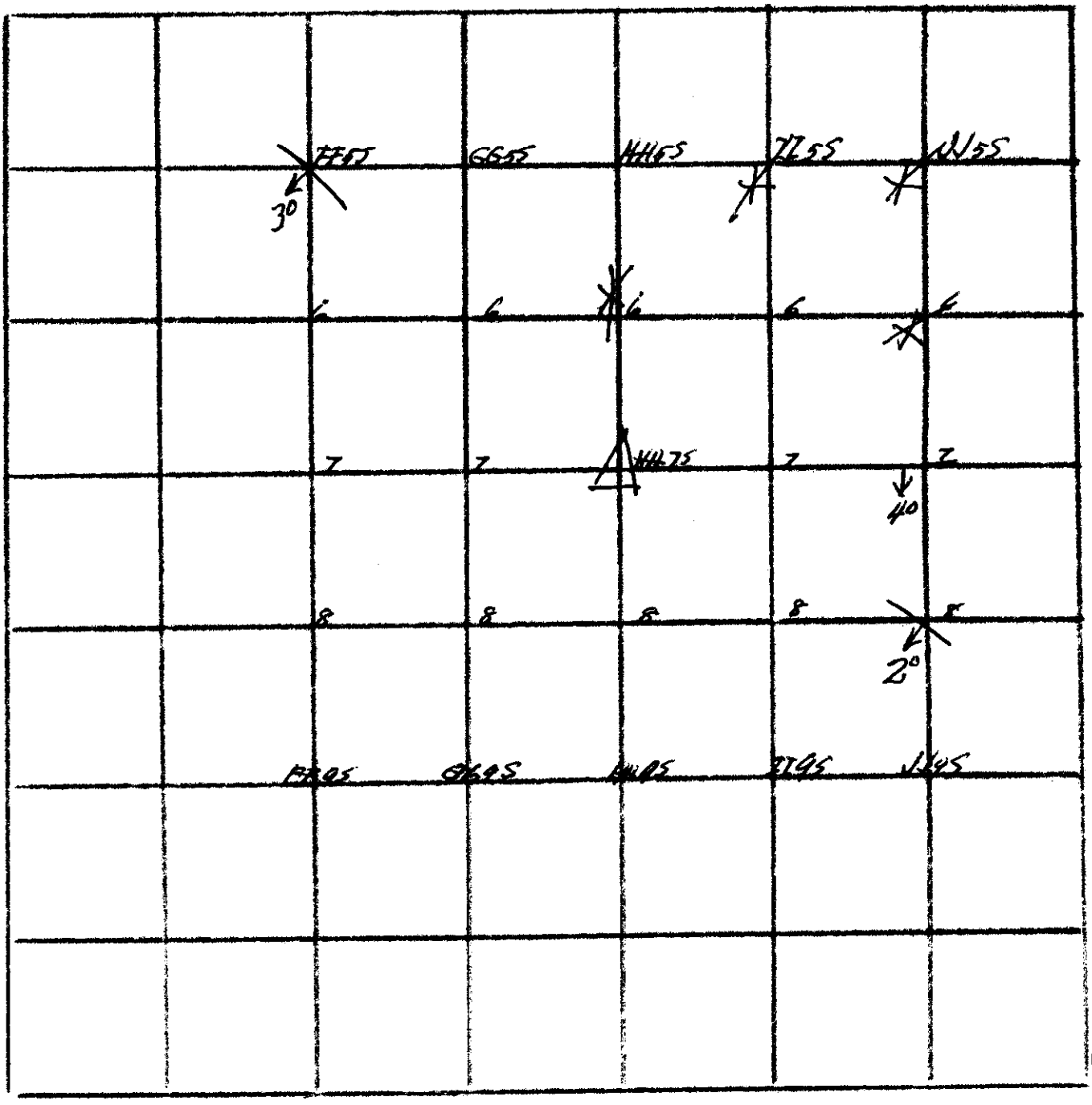
DATE Jan. 22, 1960

BY GLC & JH

N

1" = 100' VERT.
125' HOR.

Δ = loop location
✕ = ZERO DIP
$\overset{\times}{60}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Meadow

LOOP LOCATION N 5+50 SOUTH

AND 1.0

DATE Jan. 22, 1960

BY G. B. & J. H.

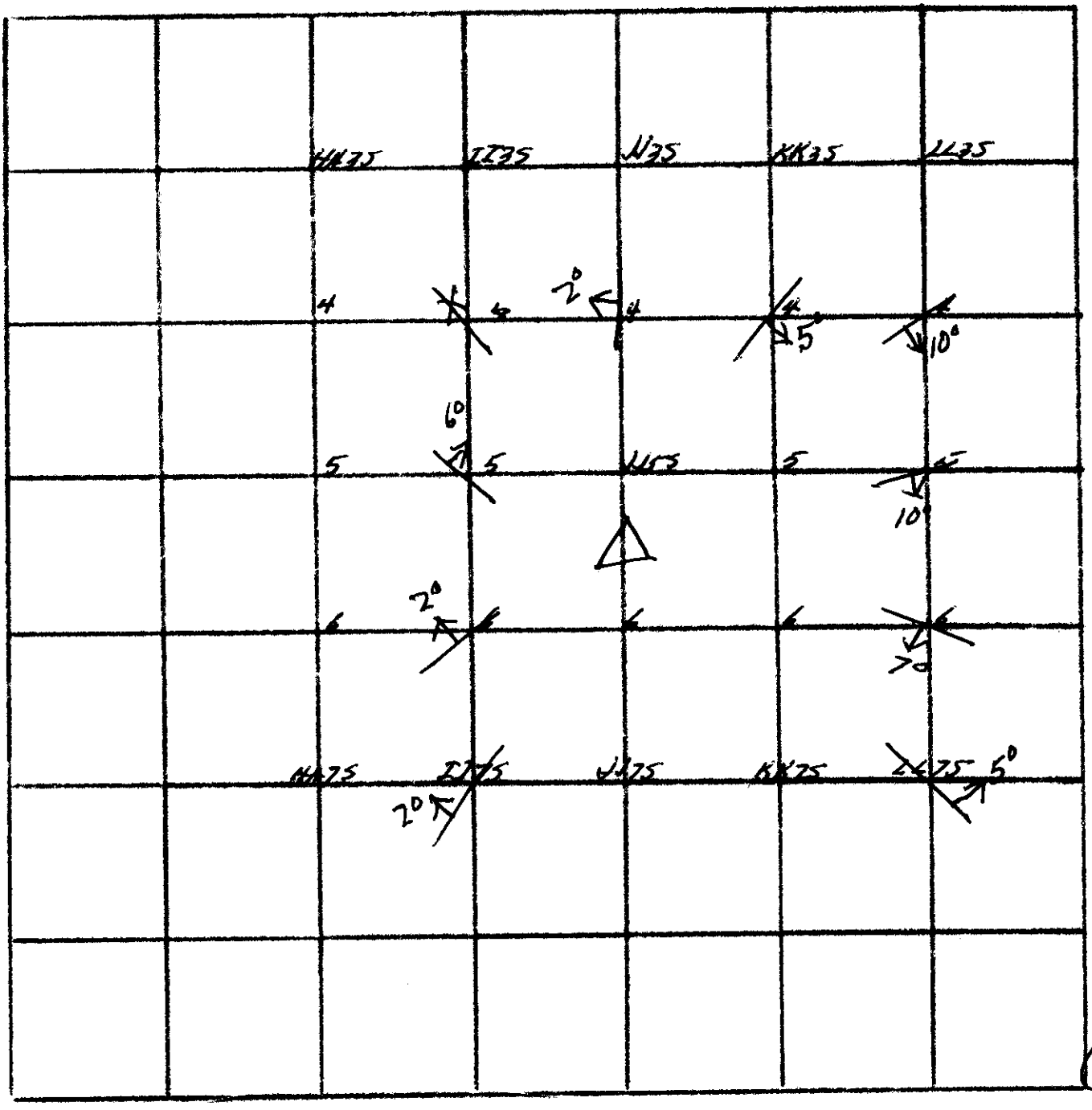
N

1" = 100' VERT.
125' HOR.

Δ = Loop location

✳ = ZERO DIP

↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION JJ 2+50 SOUTH

AMP. 1.0

DATE Jan. 22, 1960

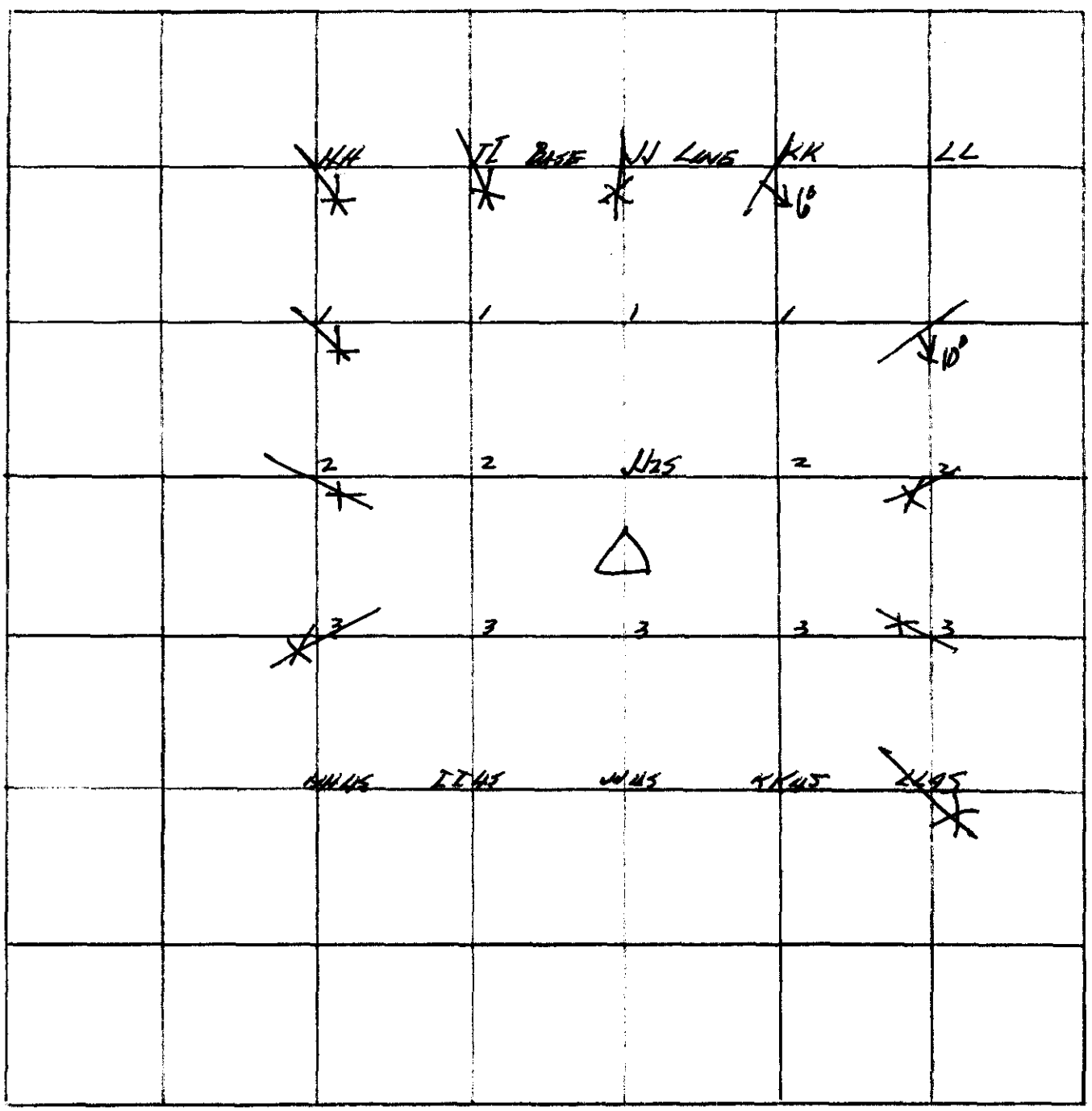
BY G.B. & ~~M.R.~~ J.A.

1" = 100' VERT.
125' HOR.

Δ = loop location

✳ = ZERO DIP

$\overset{\downarrow}{60°}$ = DIP IN DEGREES



50

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION LL 1 SOUTH

AMP. 10

DATE Jan. 22 1960

BY [illegible] J.H.

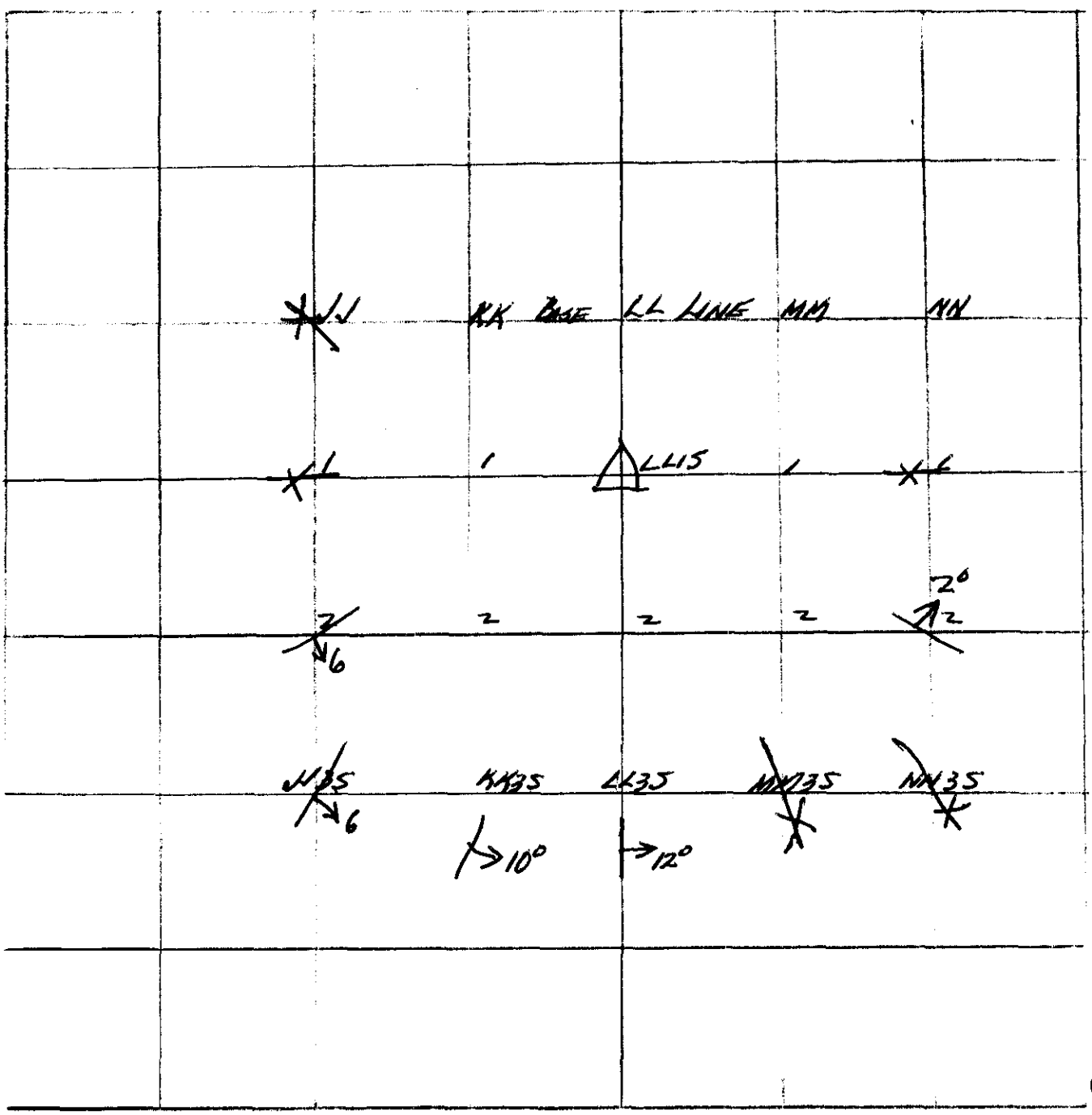
N

1" = 100' VERT.
125' HOR.

Δ = loop location

* = ZERO DIP

$\overset{\downarrow}{\underset{60}{}}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO. Golden Wonder

LOOP LOCATION LL 4 SOUTH

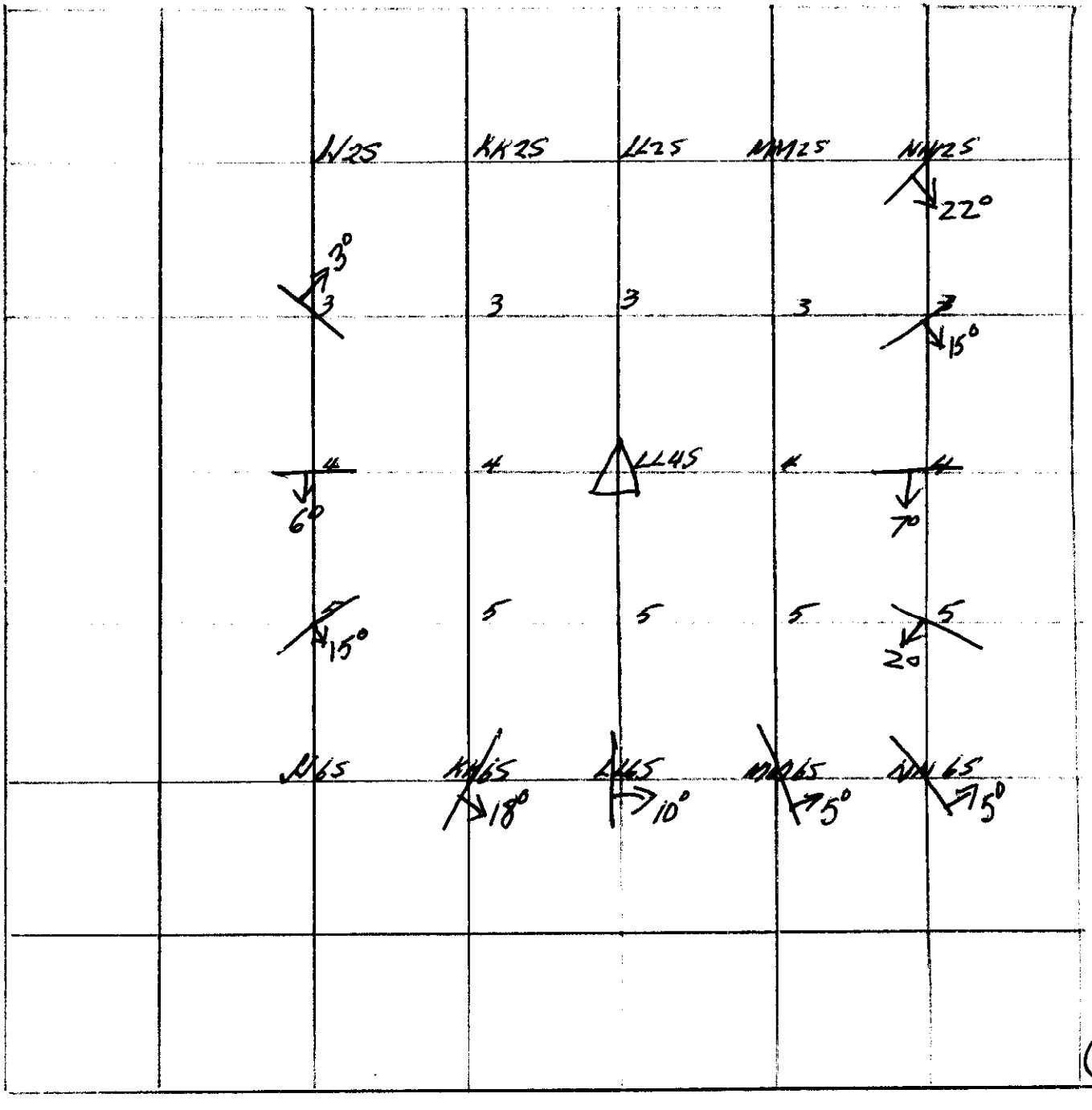
AMP 1.0

DATE Jan. 24, 1960

BY L.C. & ~~H.B.~~ J.H.

1" = 100' VERT.
125' HOR.

Δ = loop location
× = ZERO DIP
$\overset{\downarrow}{60}$ = DIR IN DEGREES



Loop

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION LL7 SOUTH

AMP 1.0

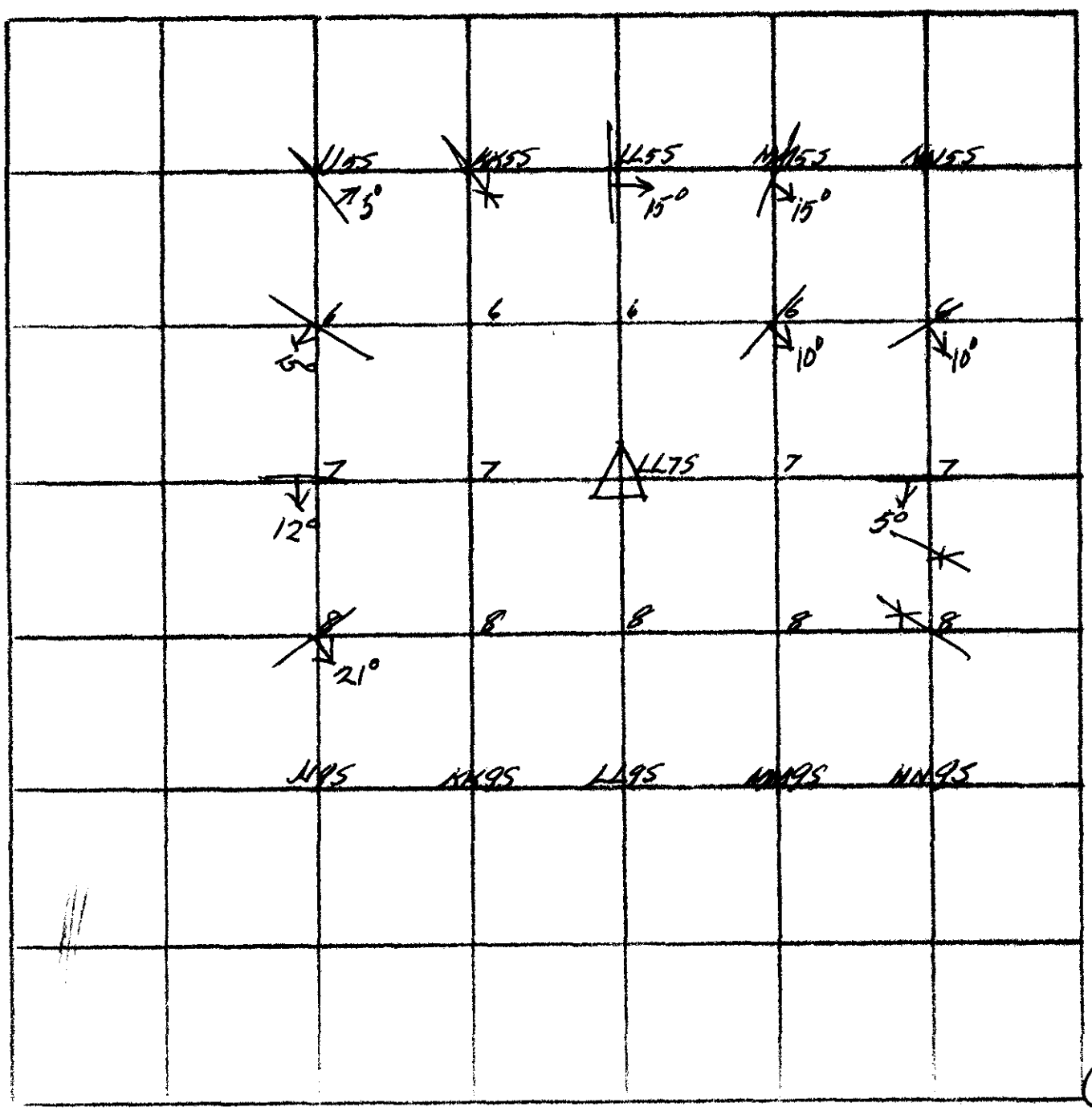
DATE Jan. 24 1960

BY G.C.B. & J.H

N

1" = 100' VERT.
125' HOR.

△ = loop location
✳ = ZERO DIP
↓ 60° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Wonder

LOOP LOCATION Huckleberry Claim. L4372
70' WEST OF #2 SHAFT

AMP 1.0

DATE Jan. 26, 1960

BY G.H. & J.H.

N

1" = 100' approx.

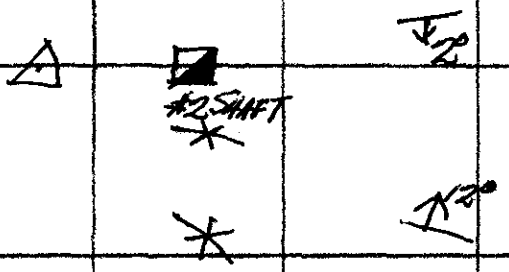
Δ = loop location

* = ZERO DIP

$\overset{\downarrow}{60}$ = DIP IN DEGREES.

Positions of reading stations are approx. (on grid lines)

Reconnaissance Loop Set-up



GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Wonder

LOOP LOCATION Huckleberry Claim L4372
25' EAST OF #2 SHAFT.

AMP. 10

DATE Jan. 26 1960

BY G.L.O. & J.H.

N

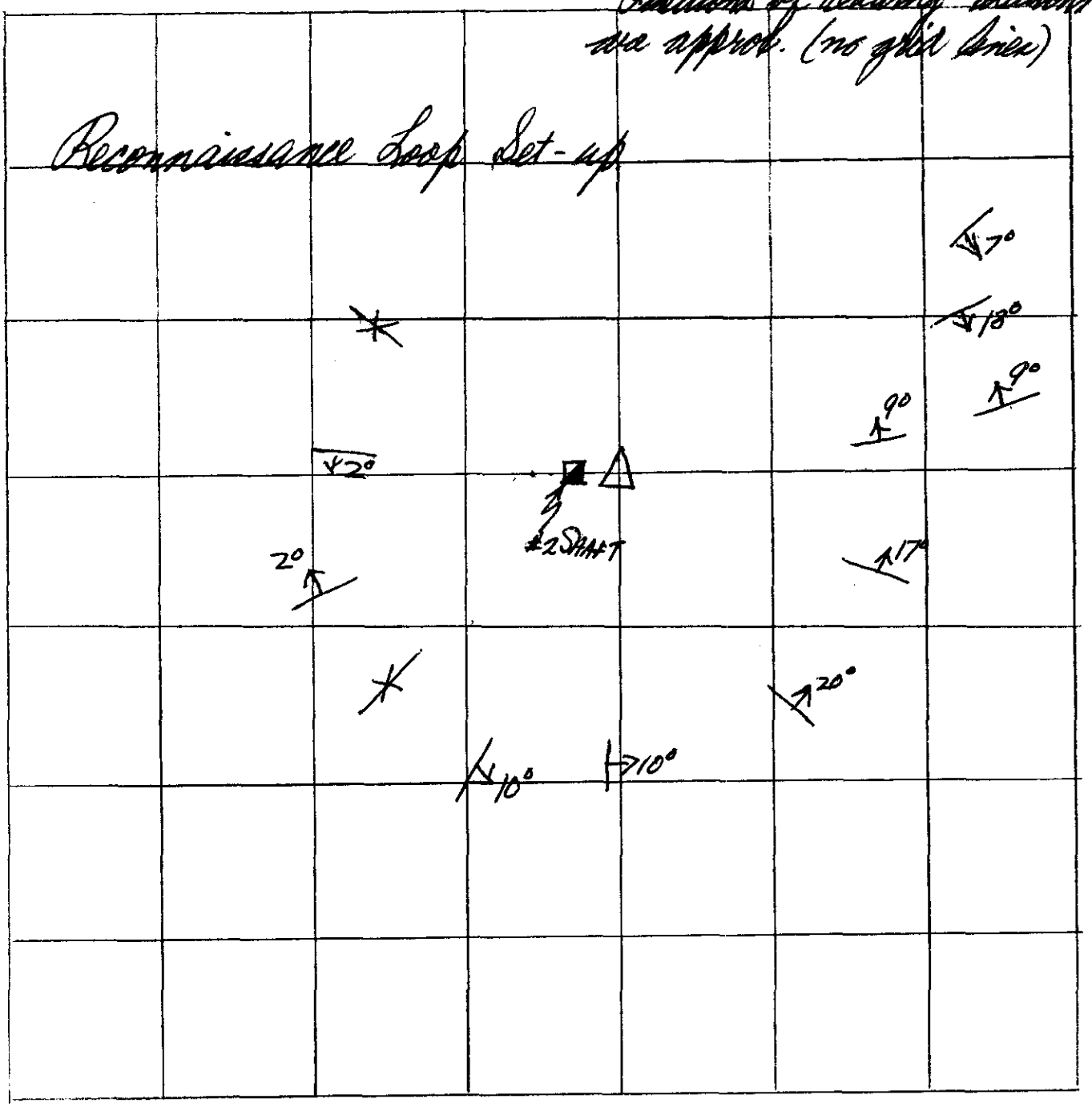
1"=100' APPROX.

Δ = loop location

✳ = ZERO DIP

↓6° = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)



55

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION Huckleberry Claim L4372
225' (APPR.) WEST OF #2 SHAFT.

AND L.O

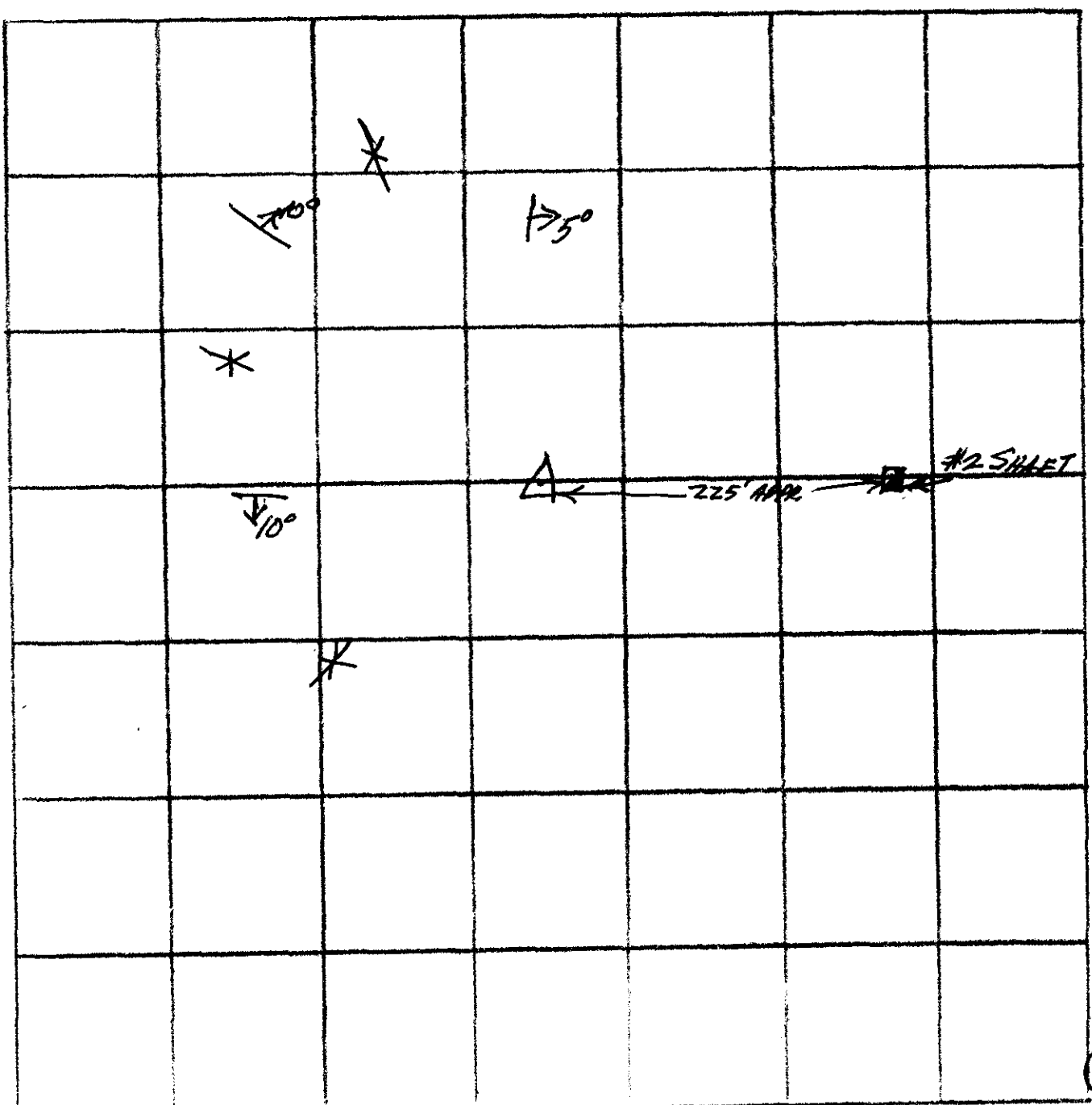
DATE Jan. 26, 1960

BY G.L.O. & J.H.

N

1" = 100' approx.

Δ = loop location
× = ZERO DIP
↓60° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION At point #3 on Anomaly 'B'

AMP. 1.0

DATE Jan. 28, 1960

BY G.L.B. & J.A.

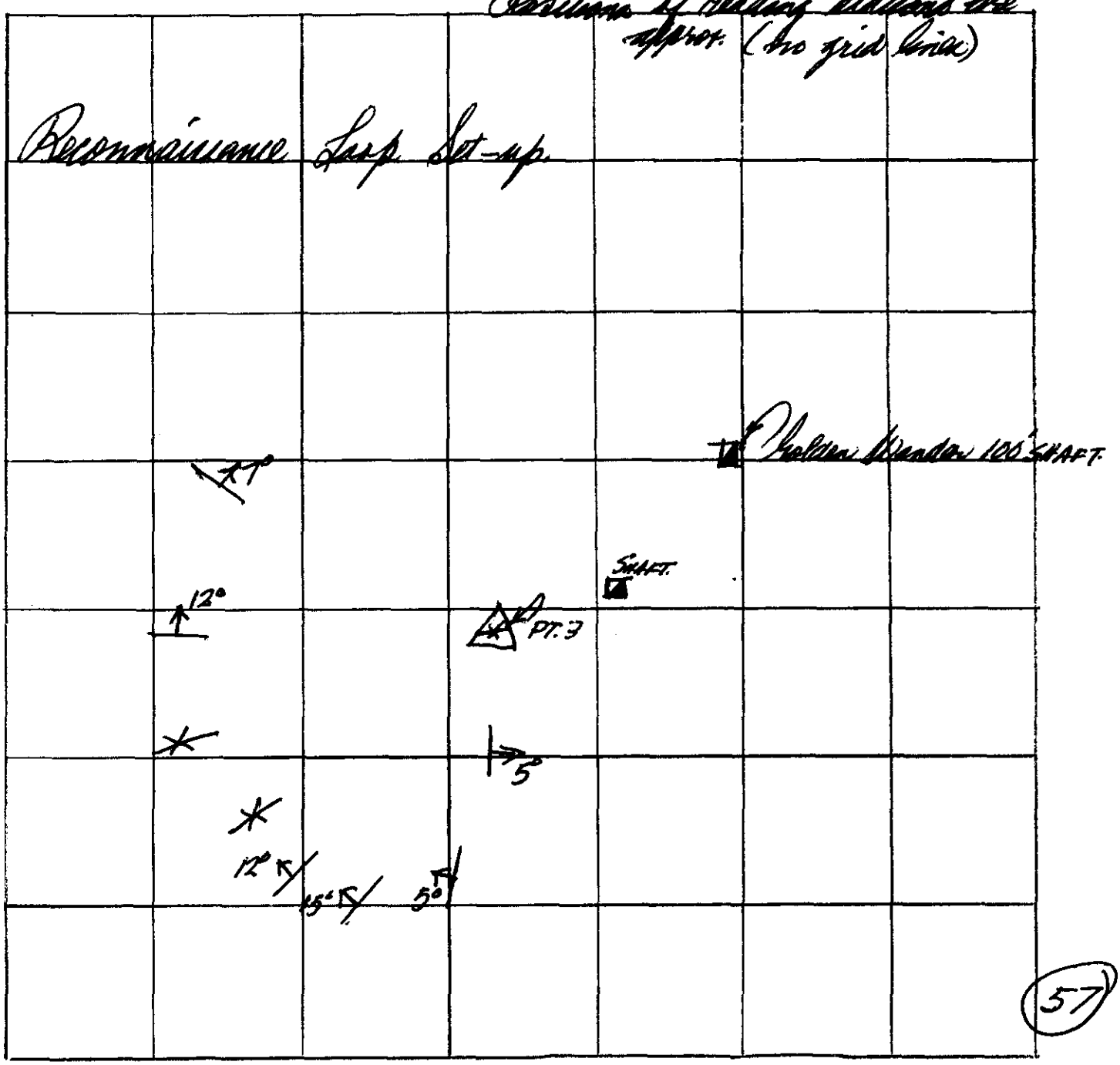
N 1" = 100' approx.

Δ = loop location

* = ZERO DIP

↓6° = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)



57

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION At 100 FT. Golden Wonder Shaft.

AMP 1.0

DATE Jan. 28, 1960

BY G.D.C. & J.B.

N

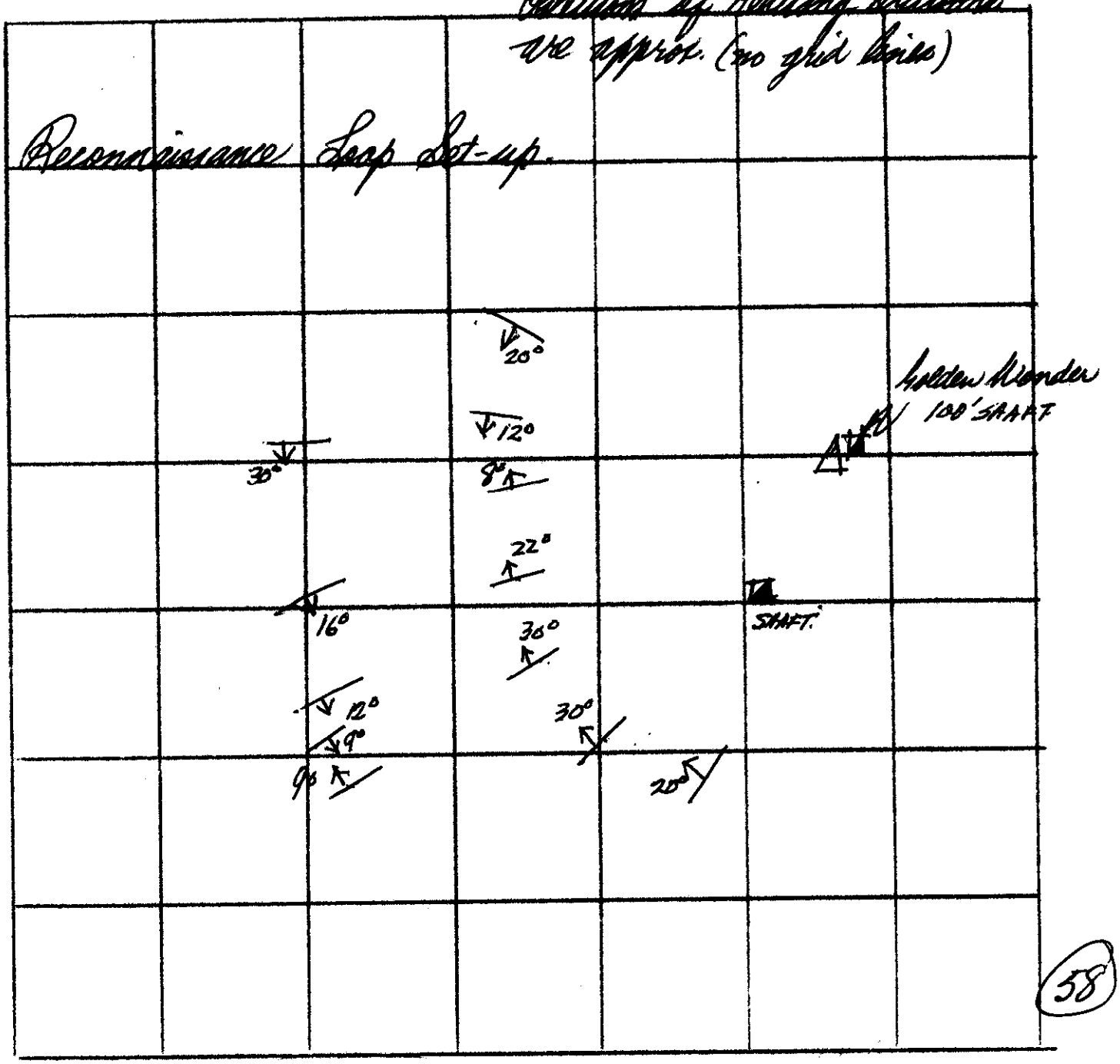
1" = 100'

Δ - loop location

* = ZERO DIP

↓ 6° = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)



58

CONTRACT No. Golden Wonder

LOOP LOCATION At point #110 Anomaly 'A'

AMP. 1.0

DATE Jan. 28, 1960

BY L.L.B. & J.H.

N

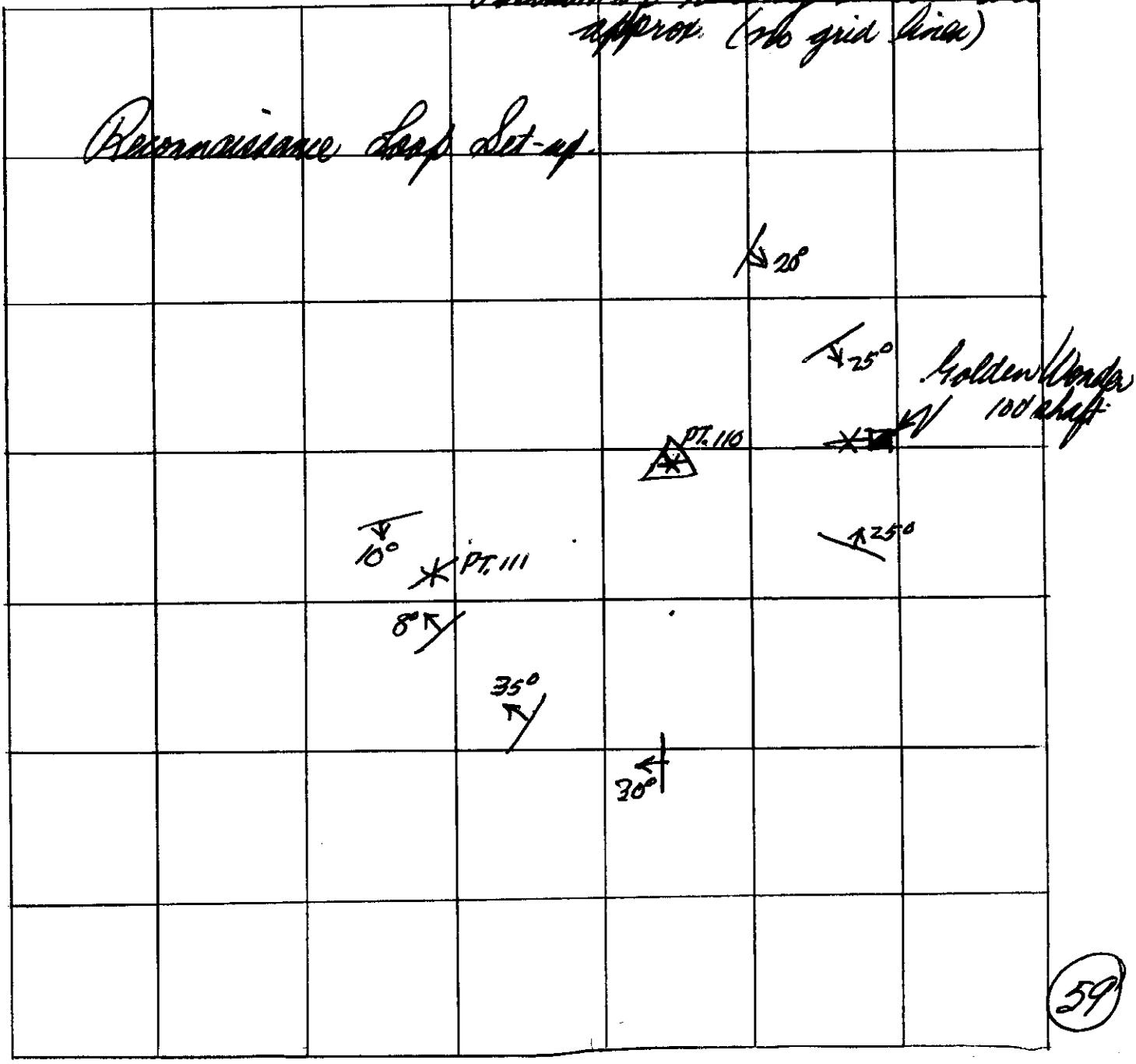
1" = 100' approx.

Δ = loop location

* = ZERO DIP

$\overset{\downarrow}{60}$ = DIP IN DEGREES

Positions of reading stations are approx. (nb grid lines)



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION Point III on Anomaly 'A'

AMP 1.0

DATE Jan. 28, 1960

BY L.C. & J.A.

N

1" = 100' approx.

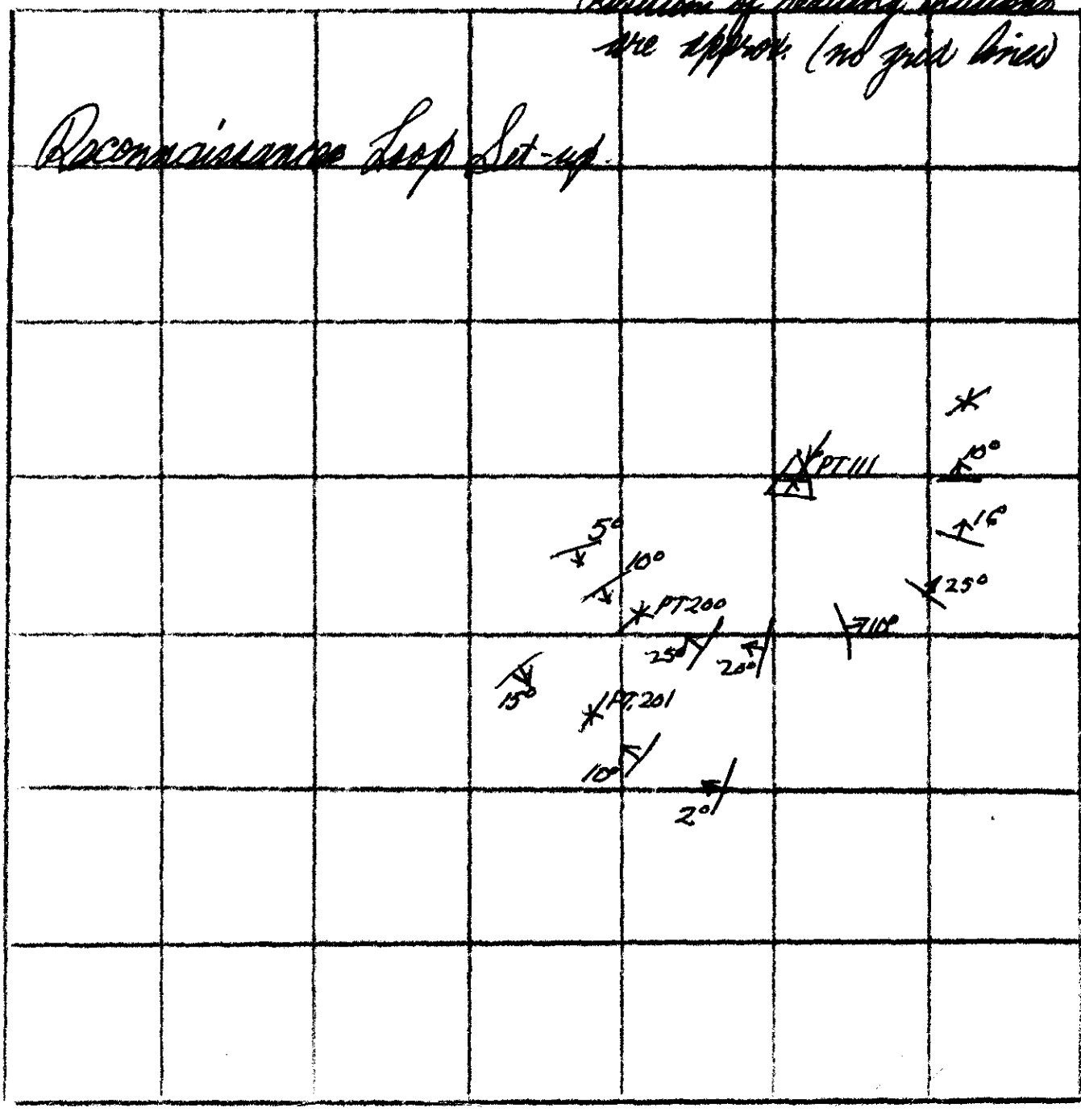
Δ = loop location

* = ZERO DIP

∓60° = DIP IN DEGREES

Position of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up.



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION At point 201 on Anomaly 'A'

AMD 1.0

DATE Jan. 28, 1960

BY W.E. & J.H.

N

1"=100' approx

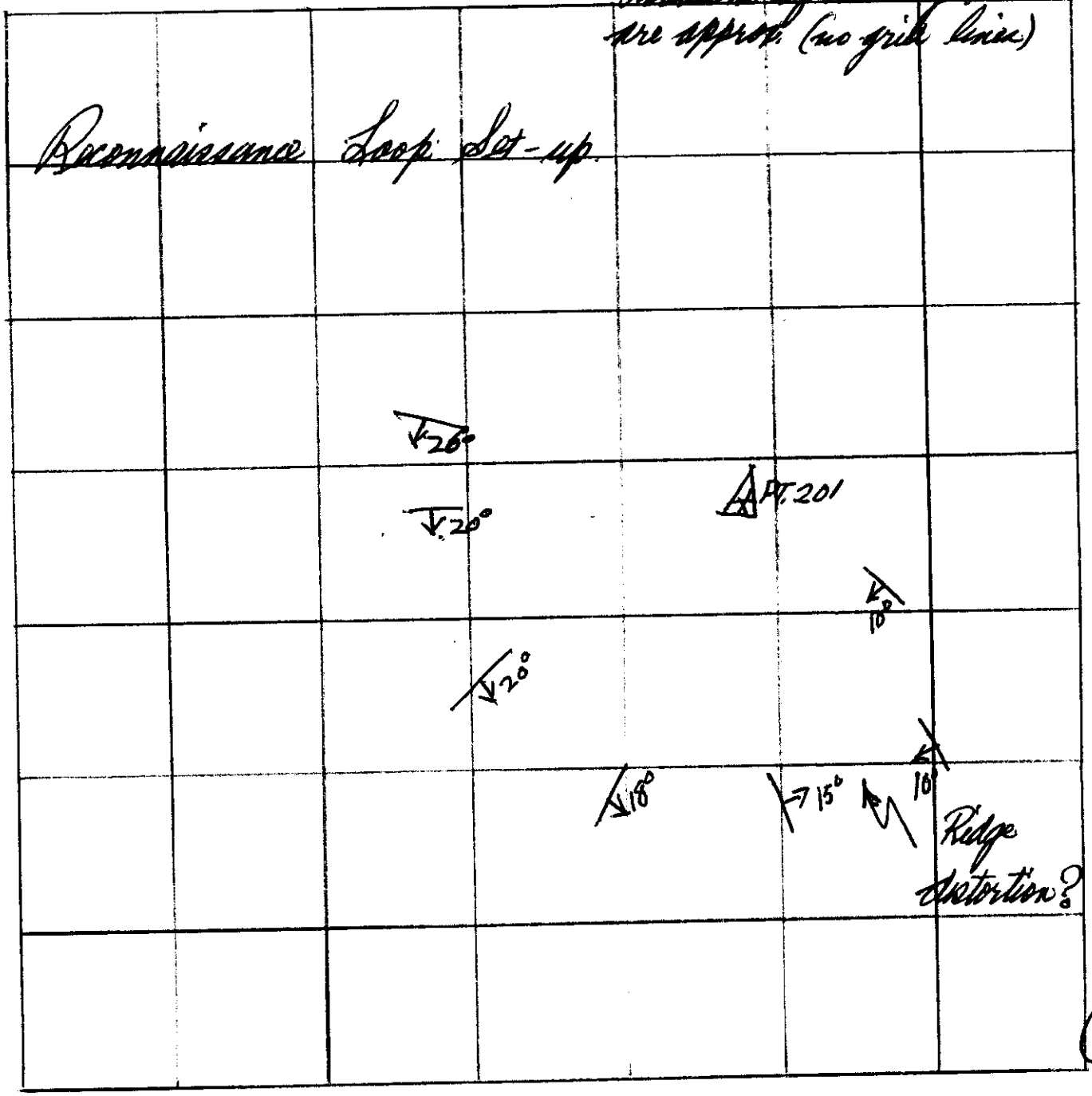
Δ = loop location

+ = ZERO DIP

↓60 = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up.



61

GEOPHYSICAL FIELD NOTES

CONTRACT N° Gallow Meadow

LOOP LOCATION 100' SE of point #201 (Anomaly 'A')

AMP 10

DATE Jan. 28, 1960

BY G.E. & J.R.

1" = 100' approx.

Δ = loop location

× = ZERO DIP

↓60° = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up.

× PT. 200

× PT. 201

↓120°

× PT. 108

↑15°

↑35°

(62)

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION 200' west of point #208

AMP. North 70° 10

DATE Jan. 29 1960

BY G.L.C. & J.H.

N

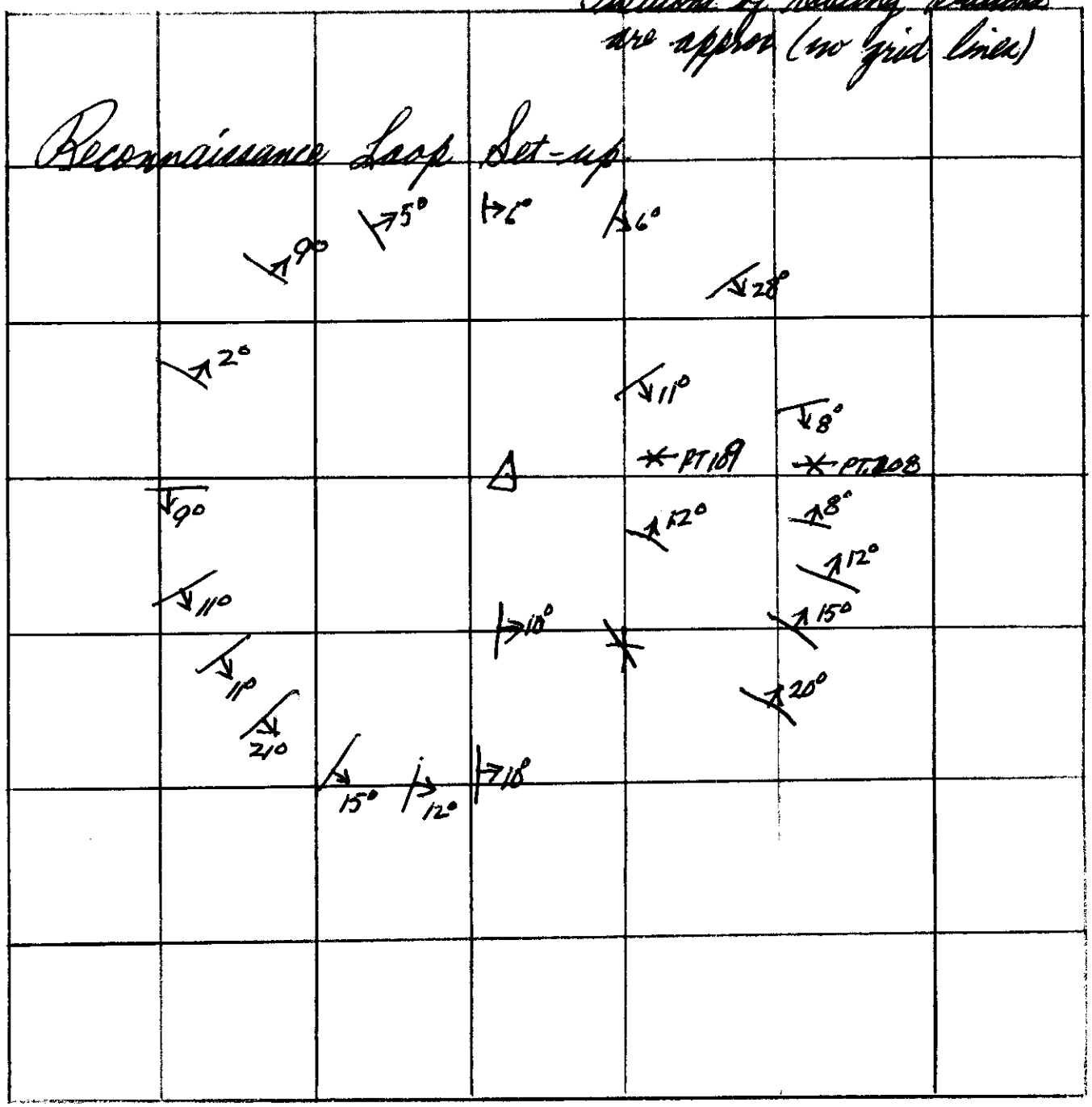
1" = 100' approx.

Δ = loop location

+ = ZERO DIP

↓6° = DIP IN DEGREES

Positions of reading stations are approx (no grid lines)



(63)

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION 30' SHACT ON COMEAU ROAD NEAR C5 NORTH.

AMP 1.0

DATE Jan 29 1960

BY L.L.C. & J.H.

1" = 100' approx

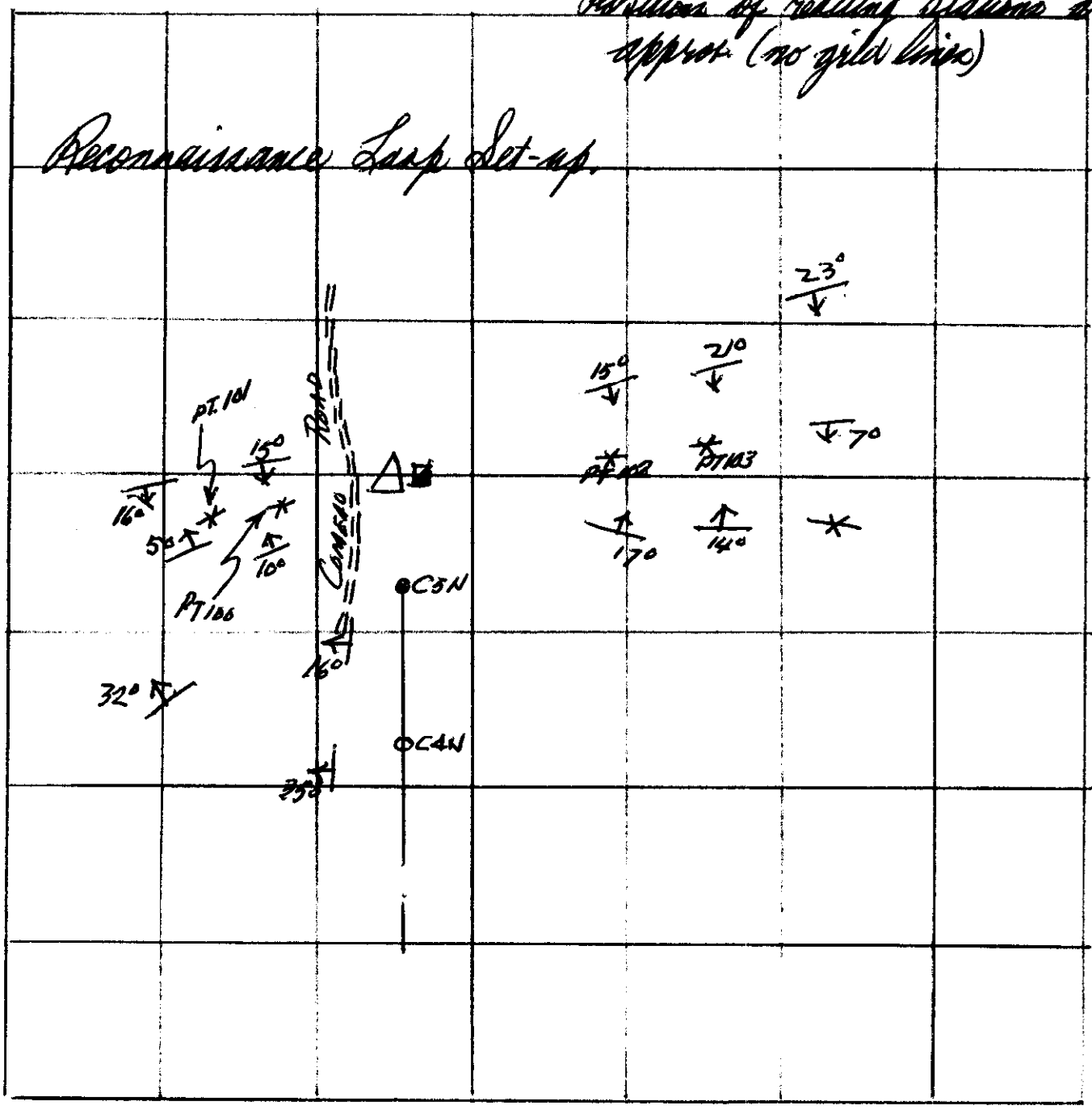
Δ = loop location

* = ZERO DIP

$\overset{\downarrow}{60^\circ}$ = DIP IN DEGREES

Position of reading stations are approx (no grid lines)

Reconnaissance Loop Set-up.



64

Golden Wonder

Point #103

1.0

Jan. 29, 1960

G.D. & J.H.

1" = 100' approx

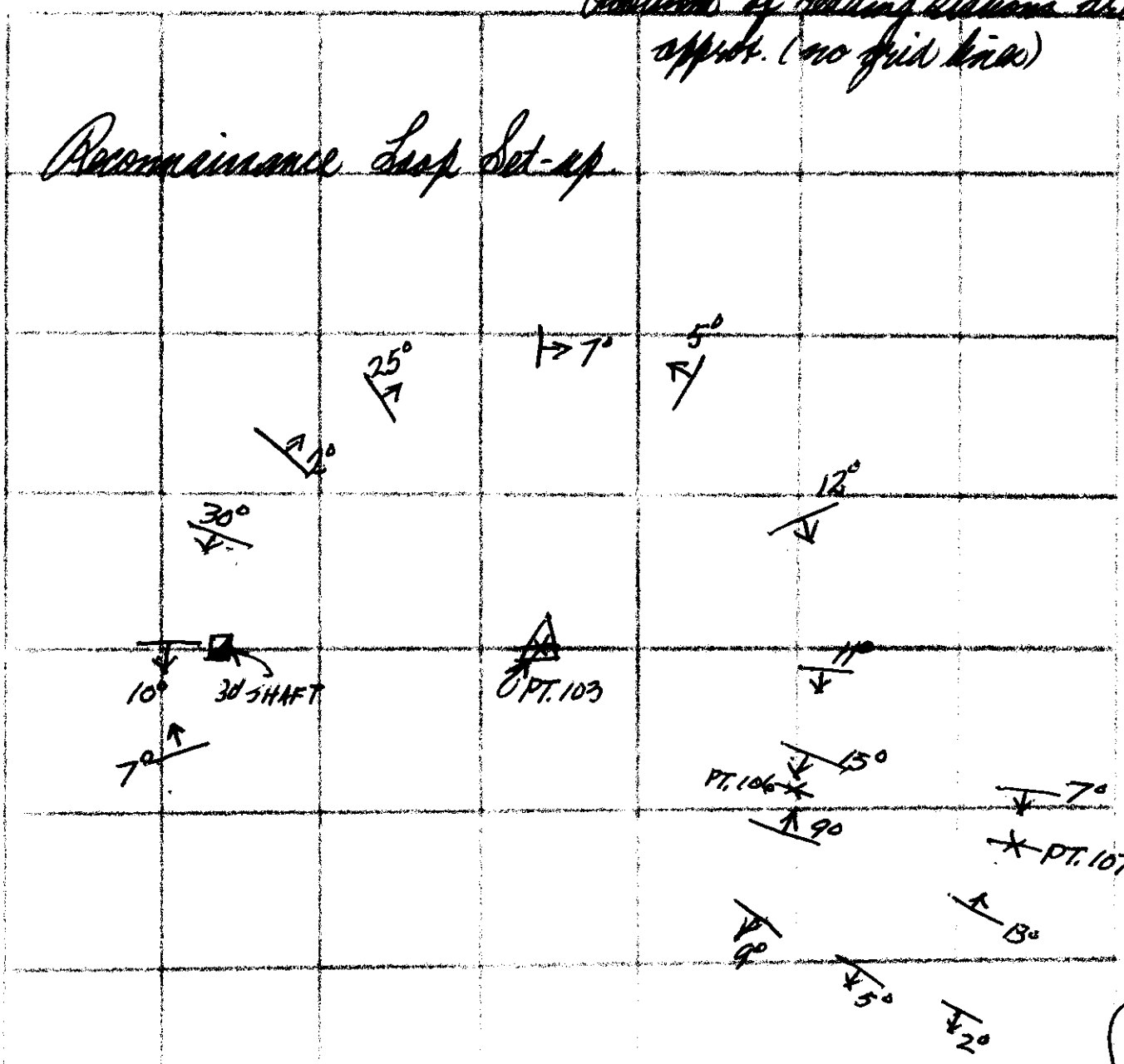
Δ = loop location

* = ZERO DIP

↓60 = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION Point 106

AMP 1.0

DATE Jan. 29, 1960

BY G.L.B. & J.A.

N

1"=100' approx.

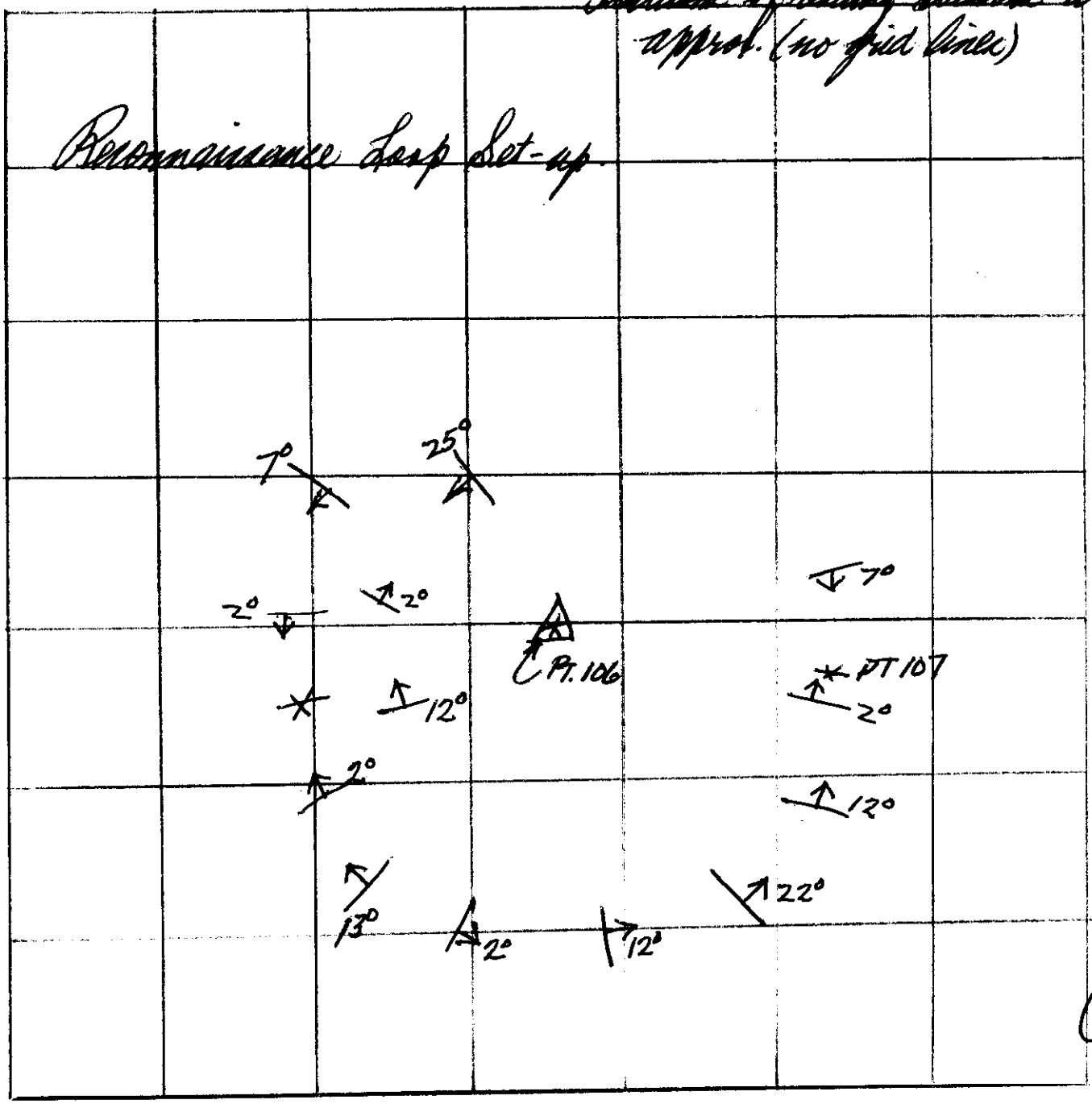
Δ = loop location

✳ = ZERO DIP

↓6° = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up.



66

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION Point ~~Station~~ #105

AMP 10

DATE Jan. 30, 1960

BY L.L.B. & M.B.

N

1" = 100' APPROX.

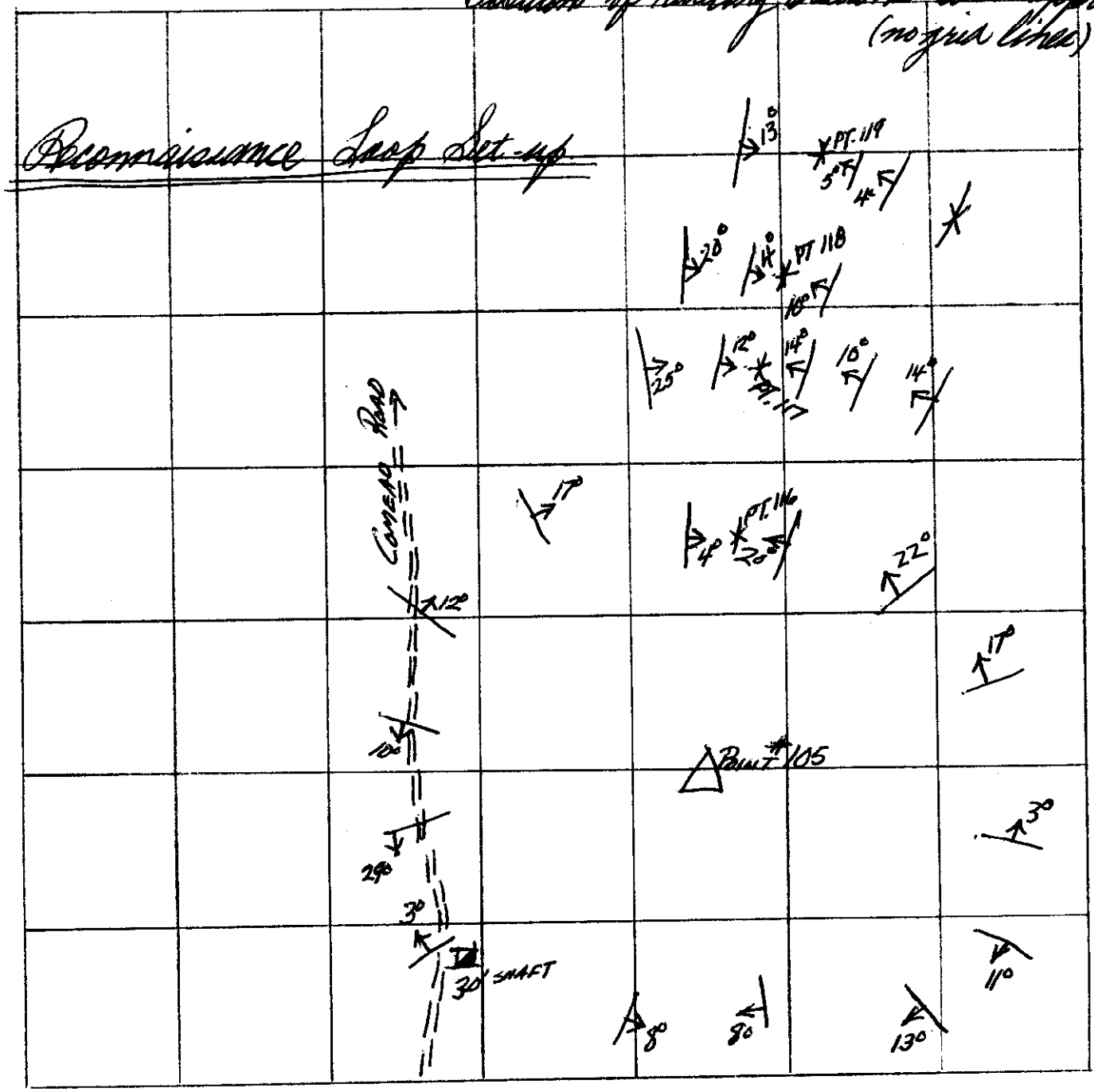
Δ = loop location

* = ZERO DIP

↓60 = DIP IN DEGREES

Positions of reading stations are approx.
(no grid lines)

Reconnaissance Loop Set-up



~~54~~

67

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Gaboon Wanders

LOOP LOCATION Point #116.

AMP 10

DATE Feb. 1 1960

BY L.C. & J.H.

N

1" = 100' approx

Δ = loop location

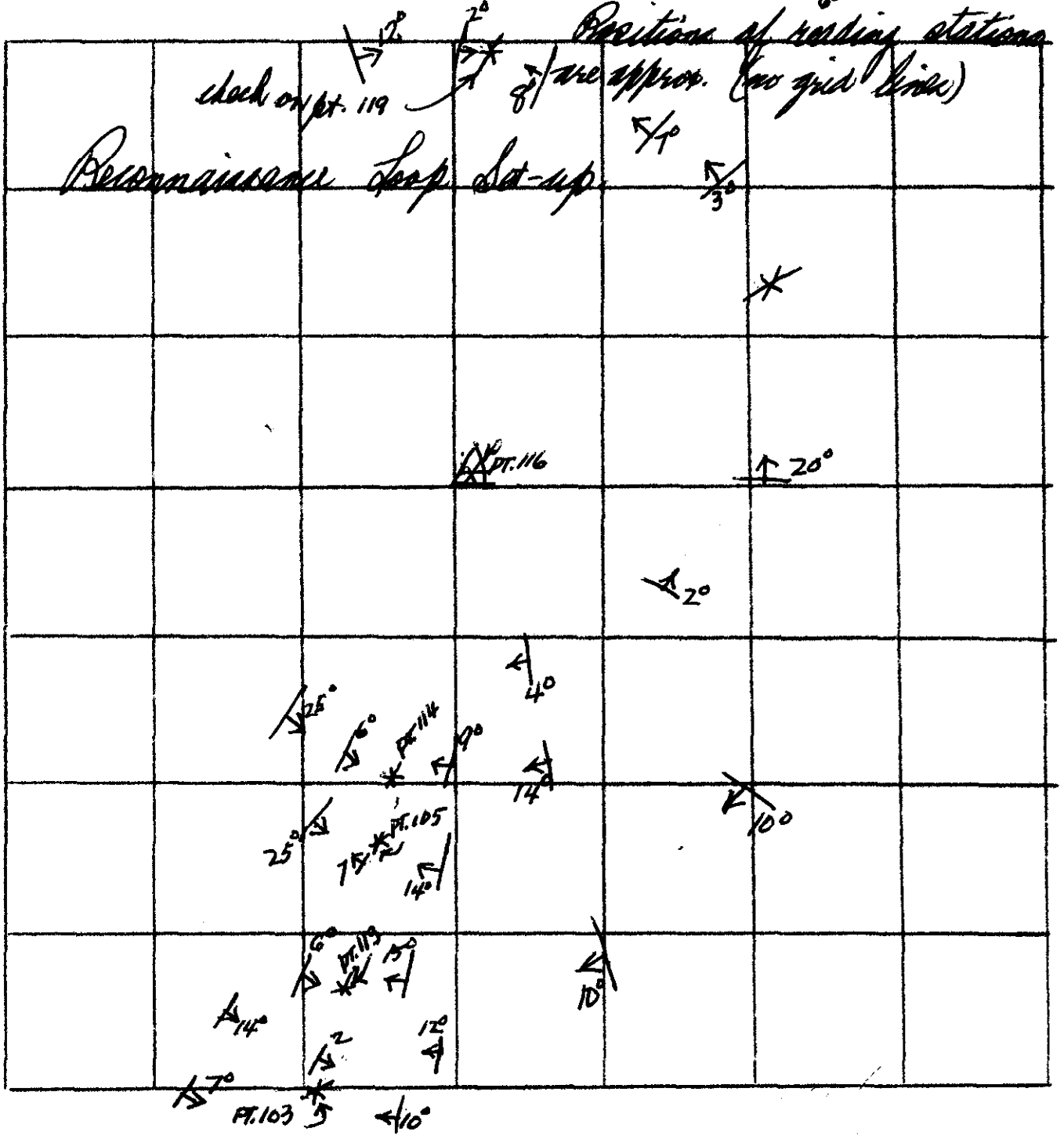
→ = ZERO DIP

↓60° = DIR IN DEGREES

Positions of reading stations are approx. (no grid lines)

check on pt. 119

Reconnaissance Loop Set-up



(68)

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION Point #123

AMP 1.0

DATE Feb. 1, 1960

BY L.B. & J.B.

N

1" = 100' approx.

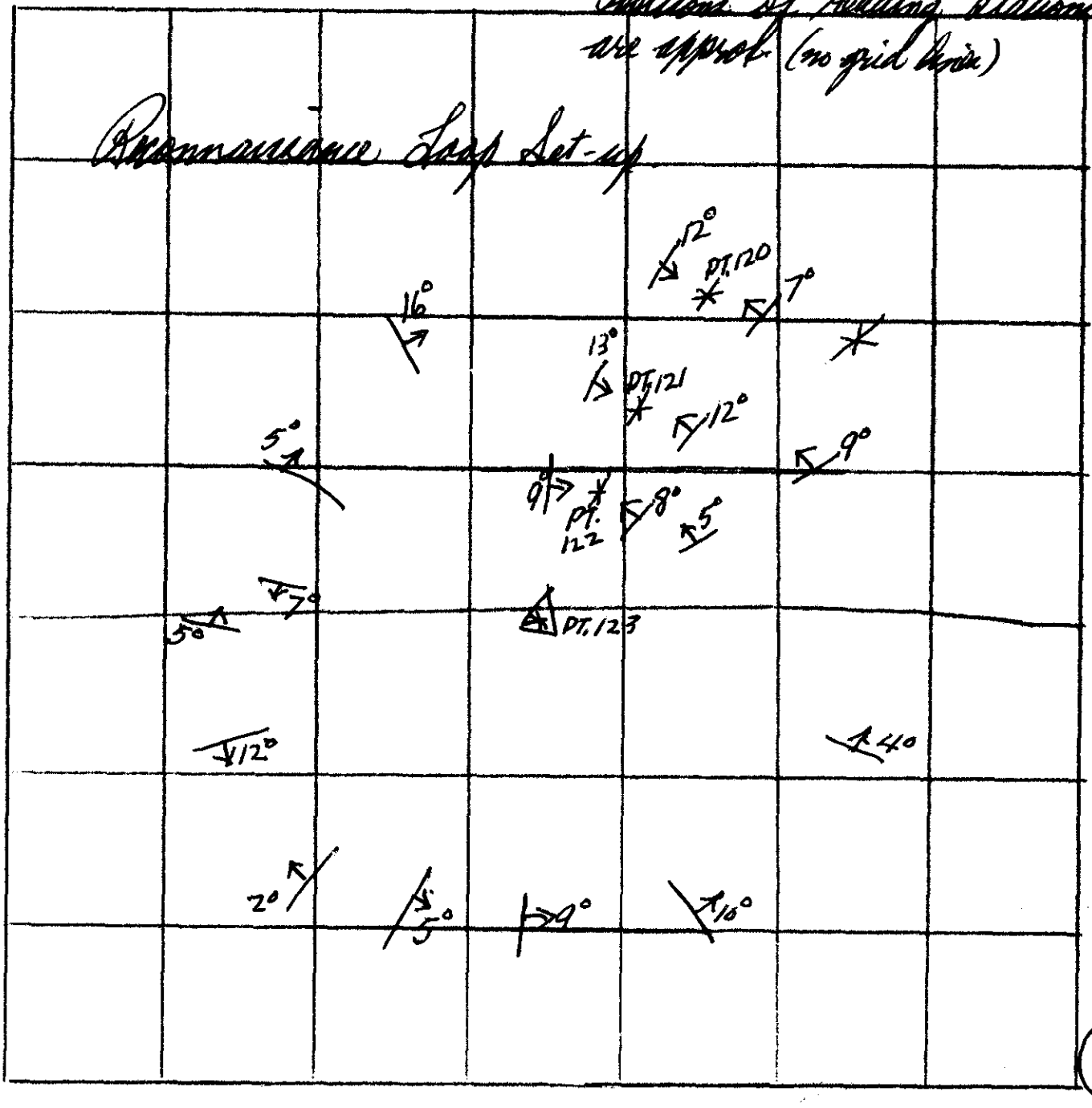
Δ = loop location

✳ = ZERO DIP

↘60° = DIR IN DEGREES

Positions of reading stations are approx. (no grid here)

Reconnaissance Loop Set-up



GEOPHYSICAL FIELD NOTES

CONTRACT N° Gulden Mander

LOOP LOCATION At point # 112

AMP 10

DATE Feb. 12, 1960

BY L.C.C. & J.H.

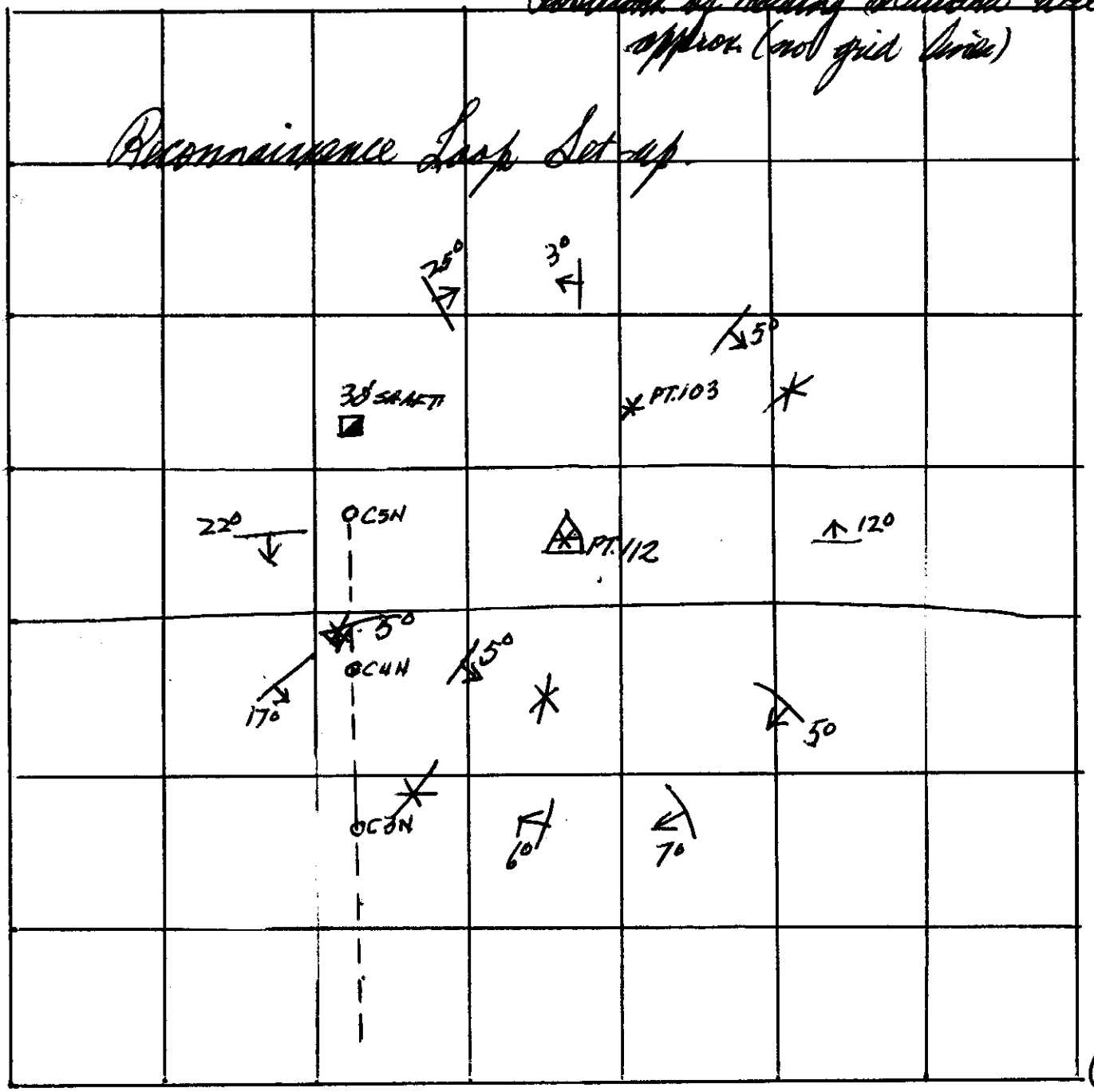
1" = 100' approx.

Δ = loop location

✳ = ZERO DIP

↓ = DIP IN DEGREES

Positions of reading stations are approx. (not grid lines)



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Mile

LOOP LOCATION Point # 102

AMP 1.0

DATE Feb. 2, 1960

BY G.B. & J.B.

1" = 100' approx

Δ = loop location

✳ = ZERO DIP

$\downarrow_{60}$ = DIP IN DEGREES

Positions of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up.

30' SHAFT.

15°

PT. 102

✳ PT. 103

2°

3°

PT. 106

4°

13°

Check on pt. 106

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Meadow

LOOP LOCATION C4+75 NORTH

AMP. 1.0

DATE Feb. 2 1960

BY G.L.B. & J.H.

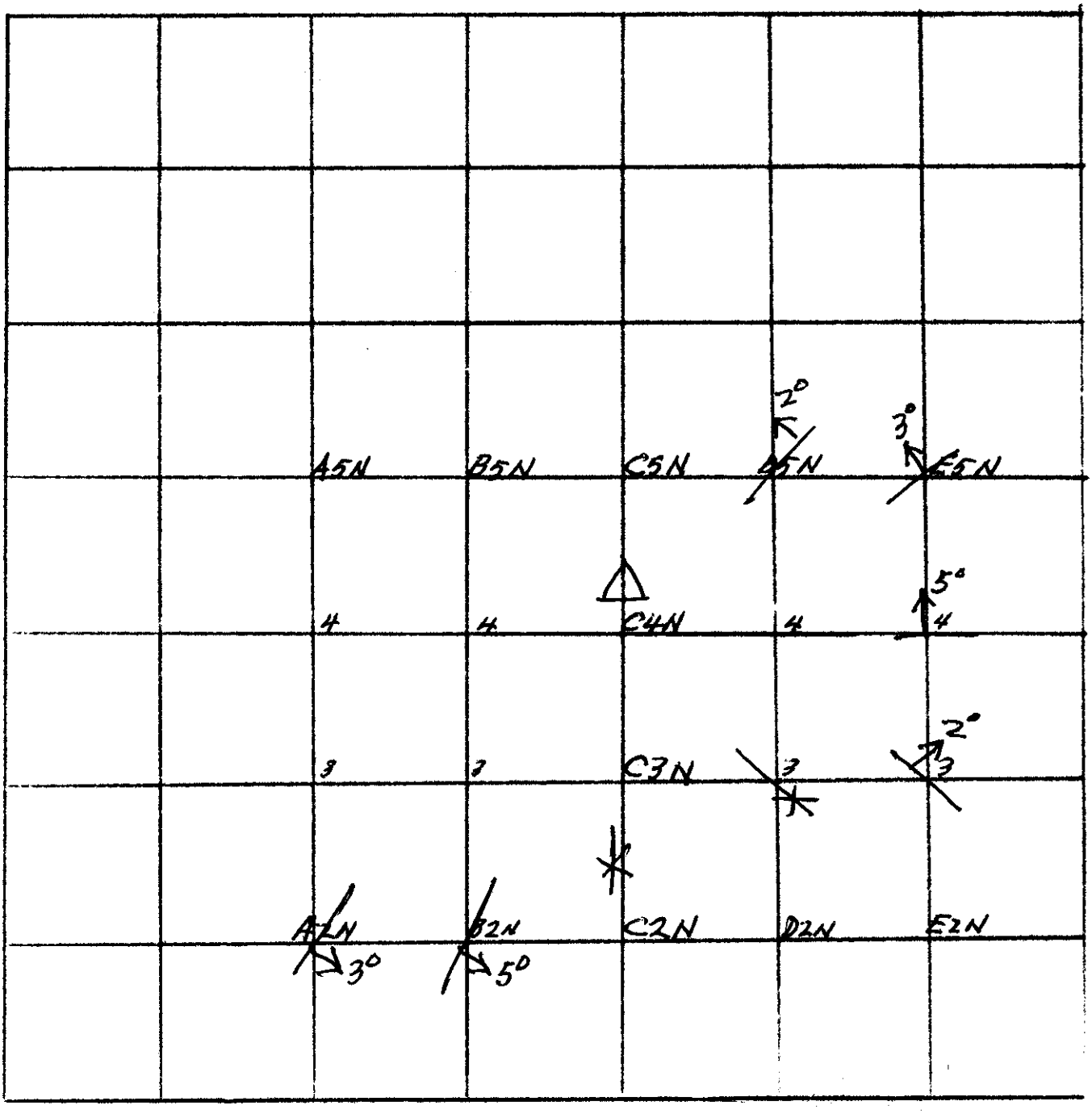
N

1" = 100 FT.

Δ = loop location

✳ = ZERO DIP

$\overset{\downarrow}{60}$ = DIP IN DEGREES.



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Mondew

LOOP LOCATION Point #100

AND 1,0

DATE Feb. 2, 1960

BY E.C. & J.H.

N

1" = 100' approx.

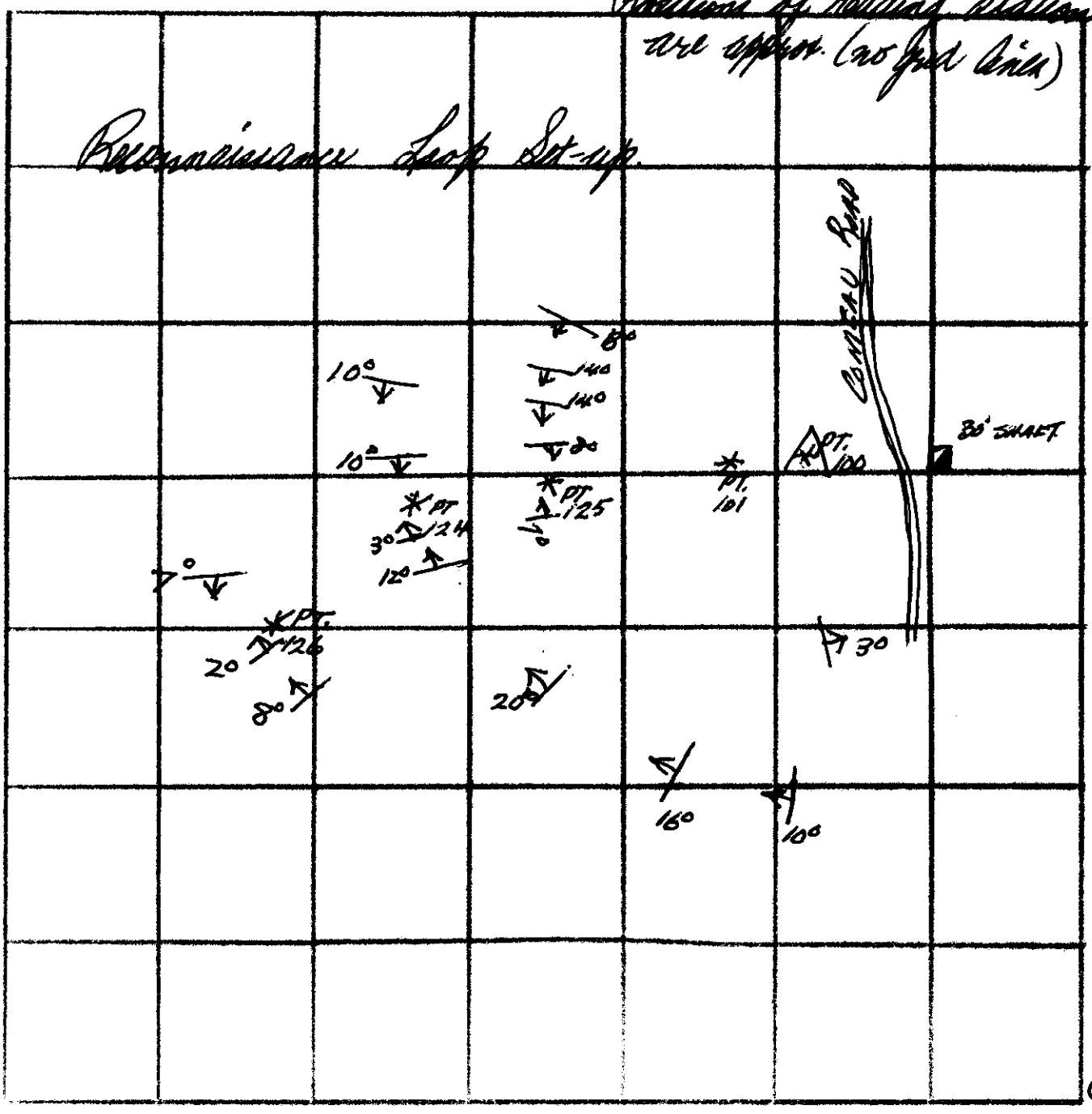
Δ = loop location

* = ZERO DIP

↓60° = DIP 14 DEGREES

Positions of reading stations are approx. (100 foot Grids)

Reconnaissance Loop Set-up.



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION 30' west of pt. #101

AMP. 1.0

DATE Feb. 2, 1960

BY GHO & J.H.

N

1" = 100' approx.

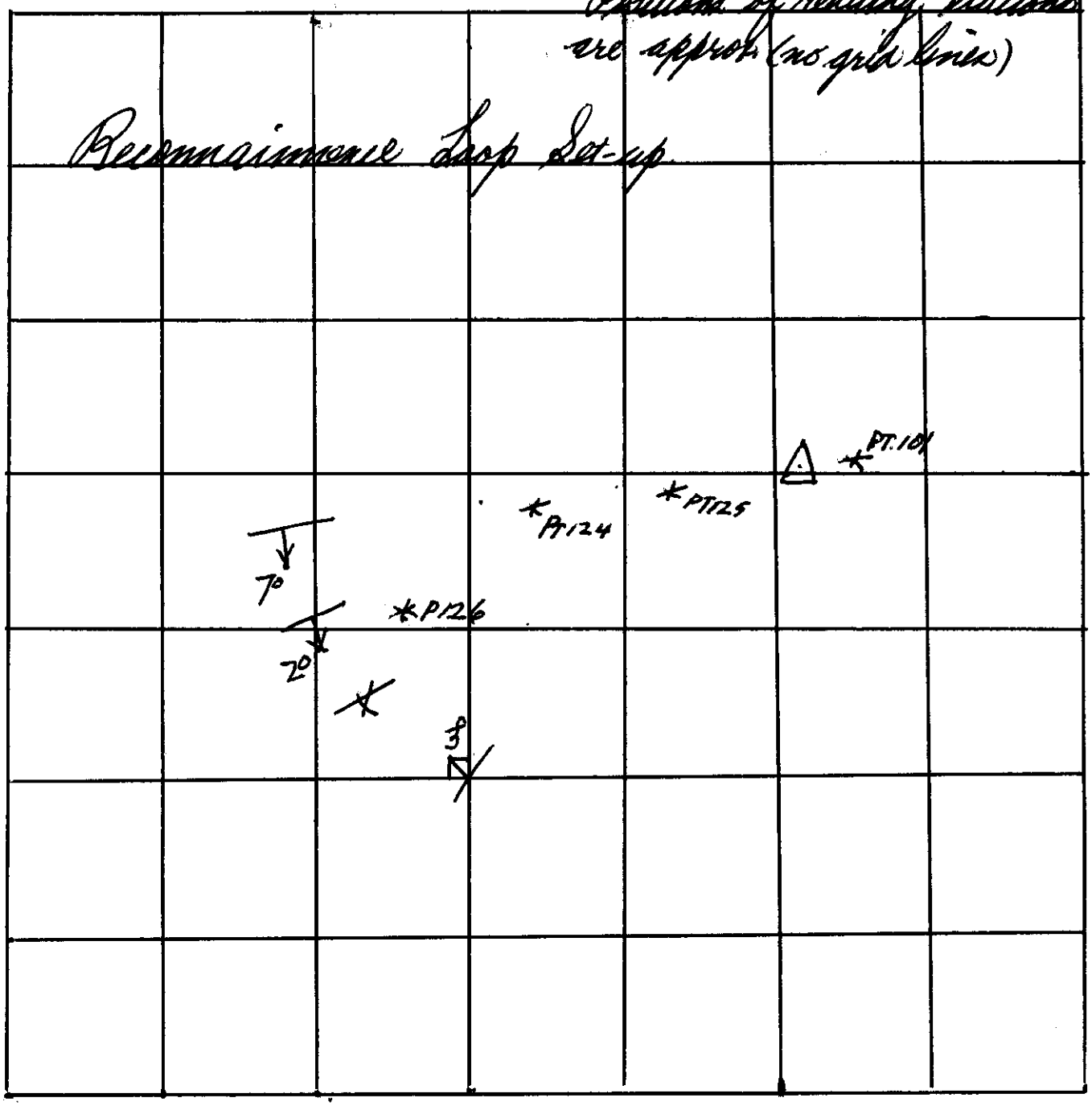
Δ = loop location

✳ = ZERO DIP

↓ = DIP IN DEGREES

↓60 Position of reading stations are approx. (no grid lines)

Reconnaissance Loop Set-up



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION AB2 (Baseline)

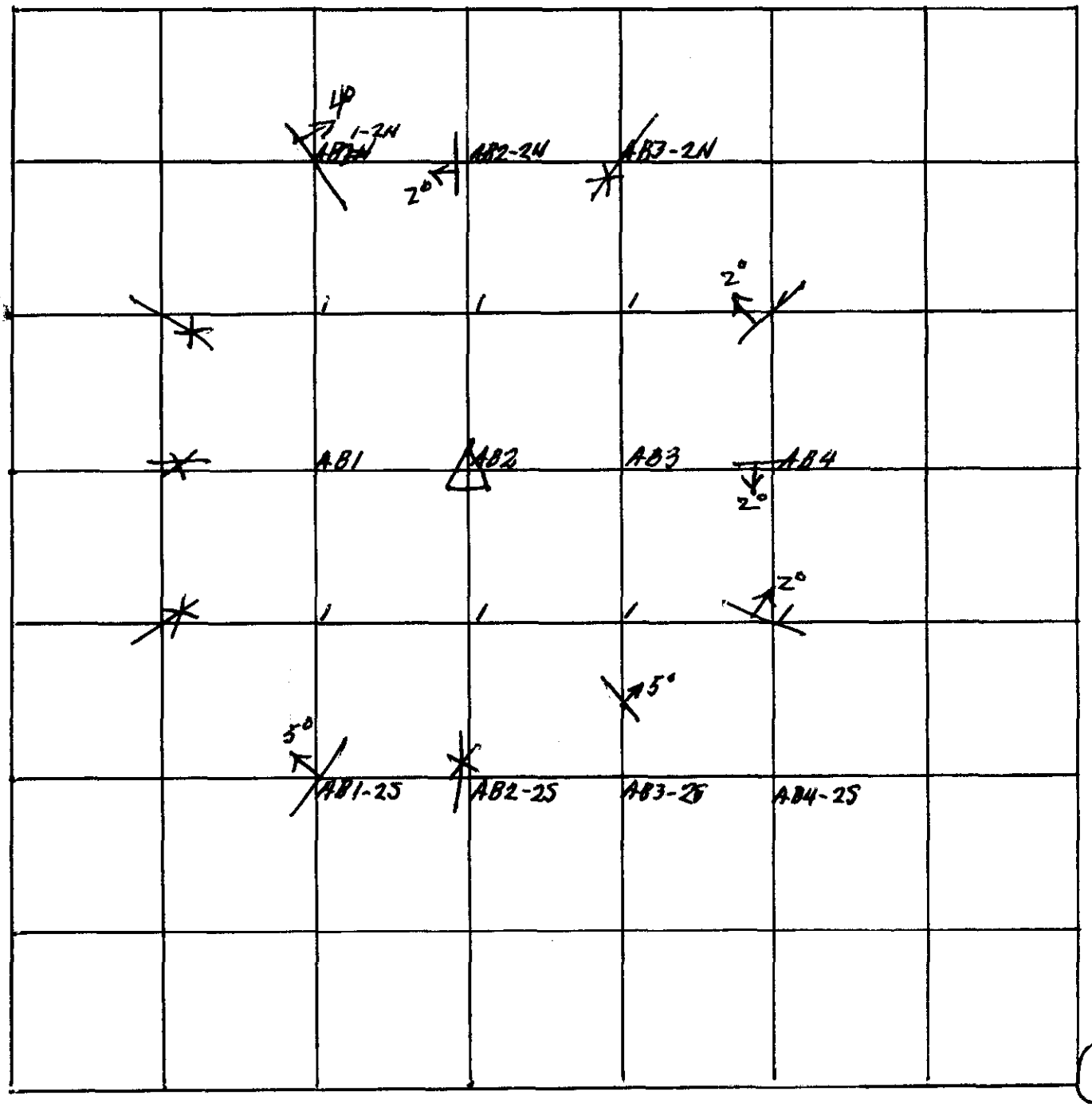
AMP 1.0

DATE May 1, 1960

BY A.D. & Norma Butler

1" = 100' VERT.
125' HOR.

Δ = loop location
✳ = zero DIP
→ 6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION AB2-2+50 N

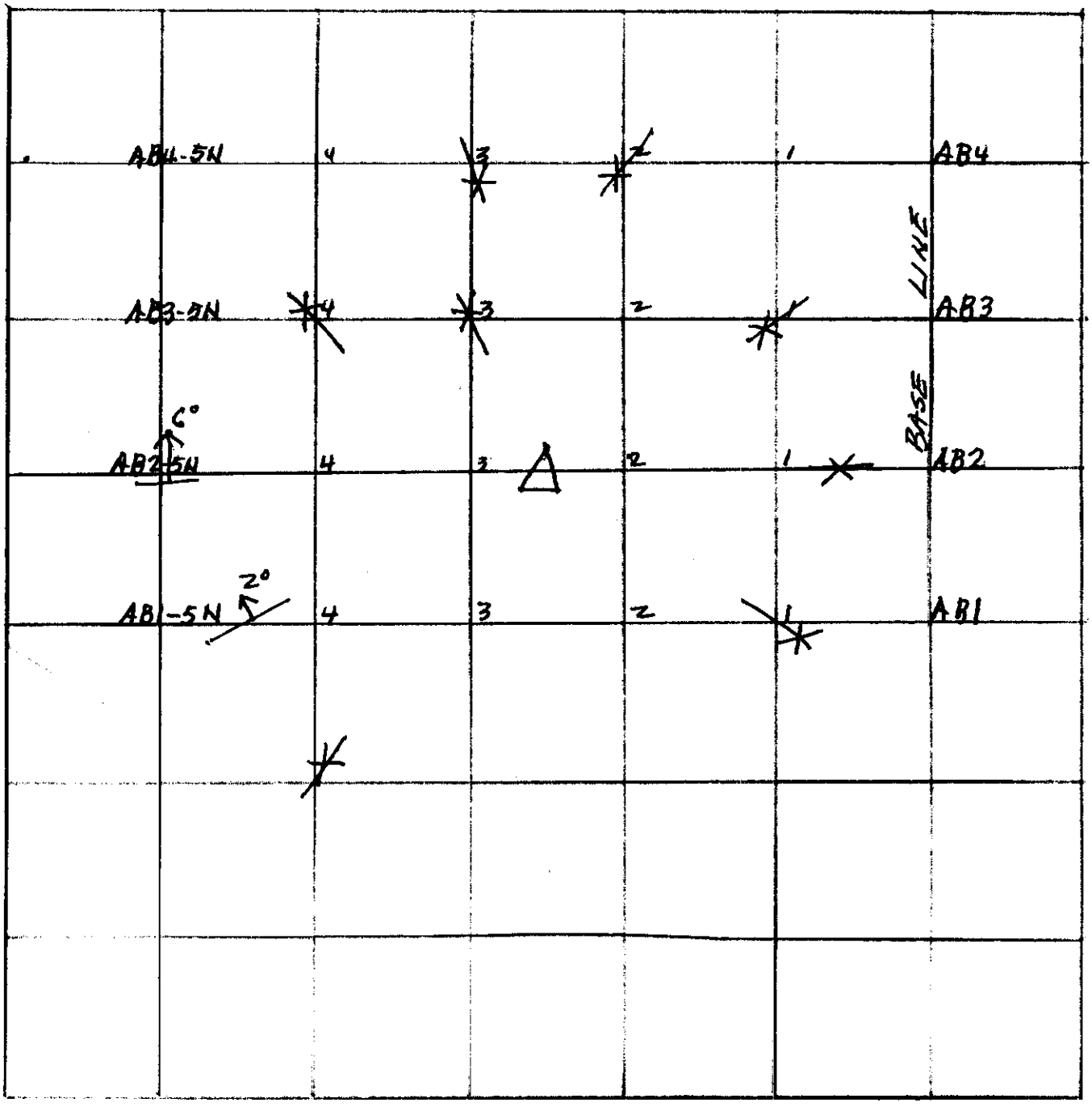
AMP 10

DATE May 1, 1960

BY G.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location
+ = ZERO DIP
↓ 6° = DIP IN DEGREES



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GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder 4

LOOP LOCATION AB2 ~~#~~ +50N.

AMP 1.0

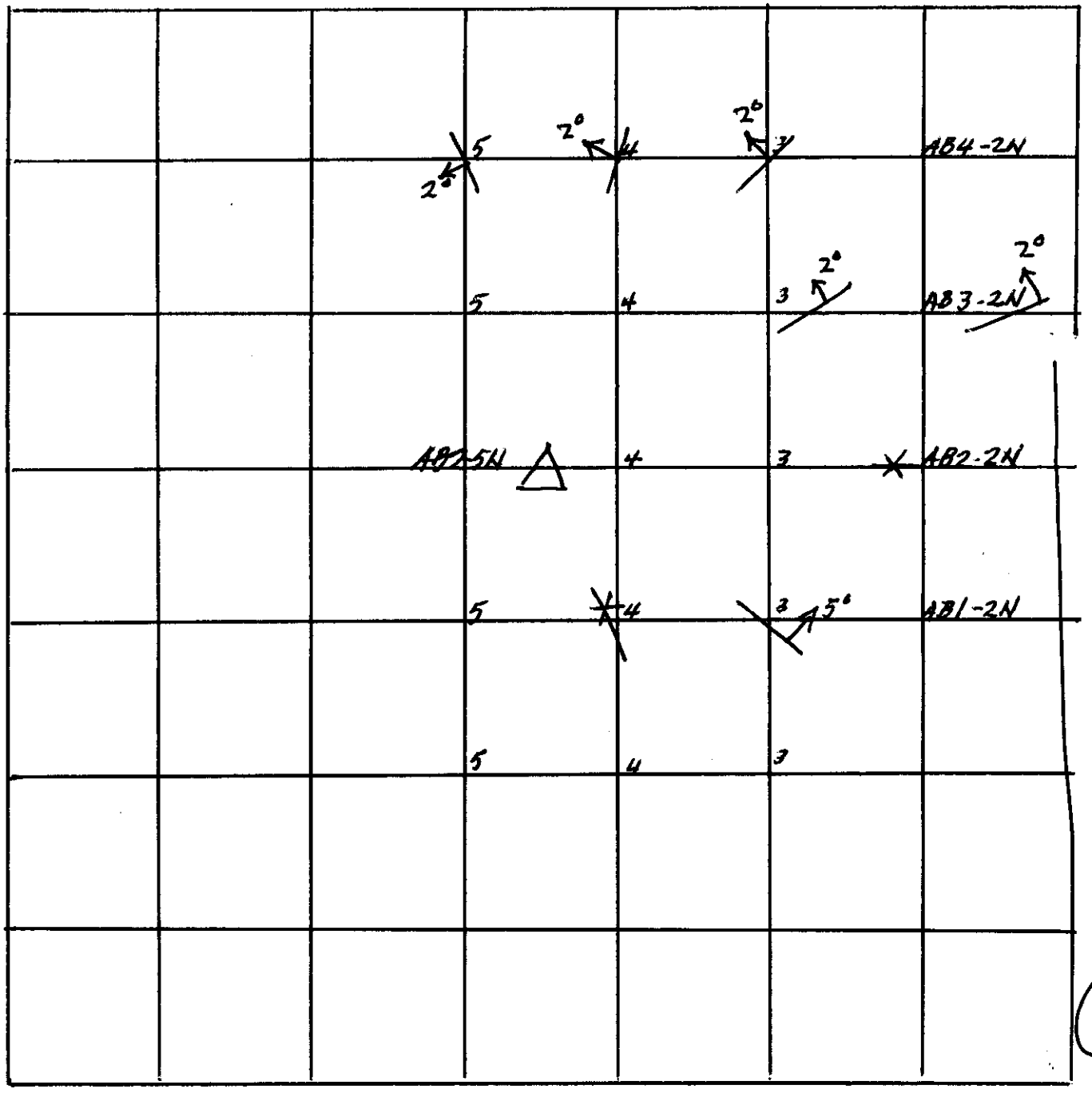
DATE May 1, 1960

BY G.B. & M.B.

Z

1" = 100' HOR.
125' VERT.

Δ = loop location
× = ZERO DIP
↓60° = DIP IN DEGREES



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Copy

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION AB4-3450 N

AND 10

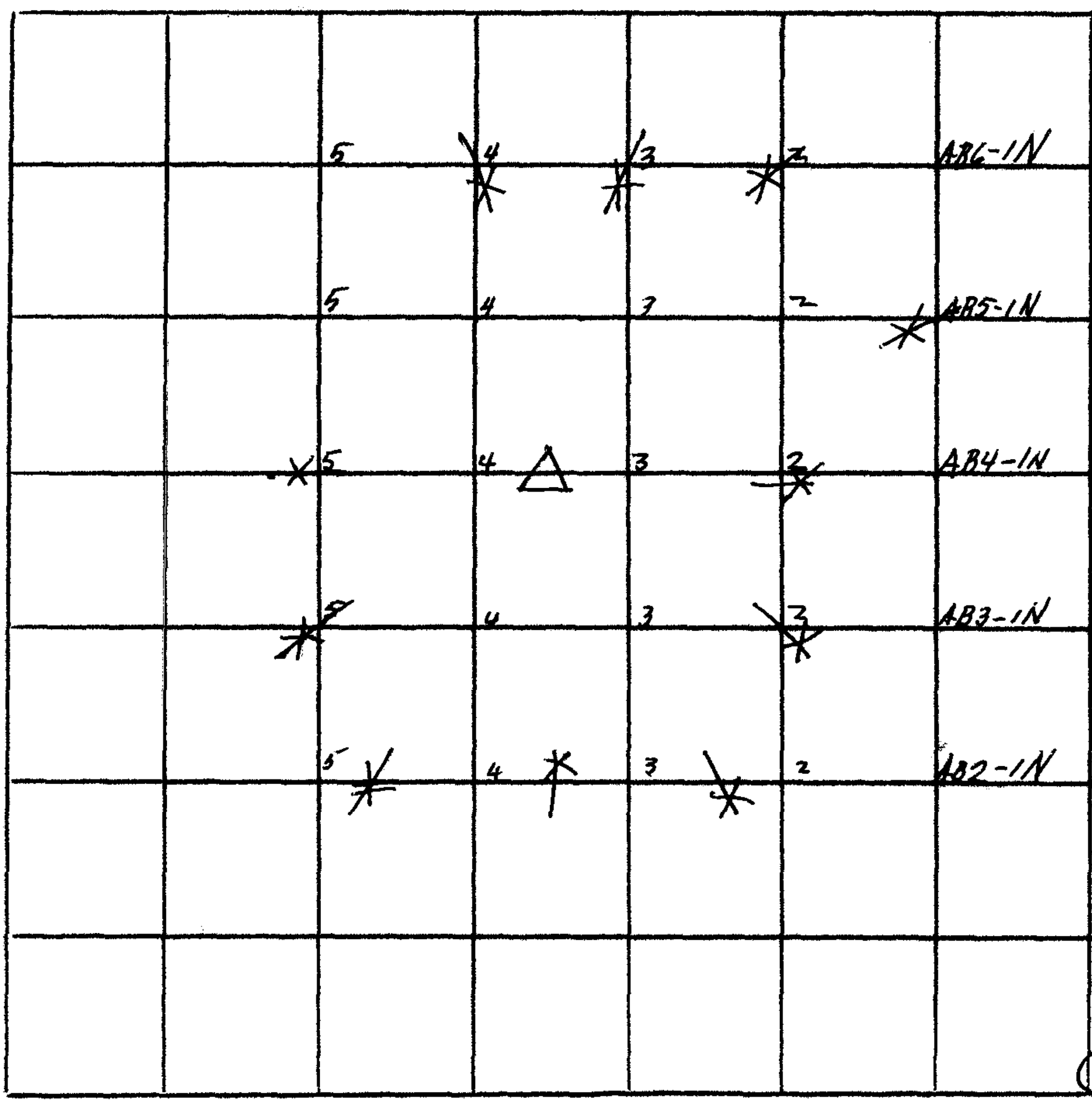
DATE May 1, 1960

BY G.B. & M.B.

Z

1" = 100' HOR
125' VERT.

Δ = loop location
✳ = ZERO DIP
$\mp_{60}$ = DIP IN DEGREES



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GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Meander

LOOP LOCATION AB4-1450N

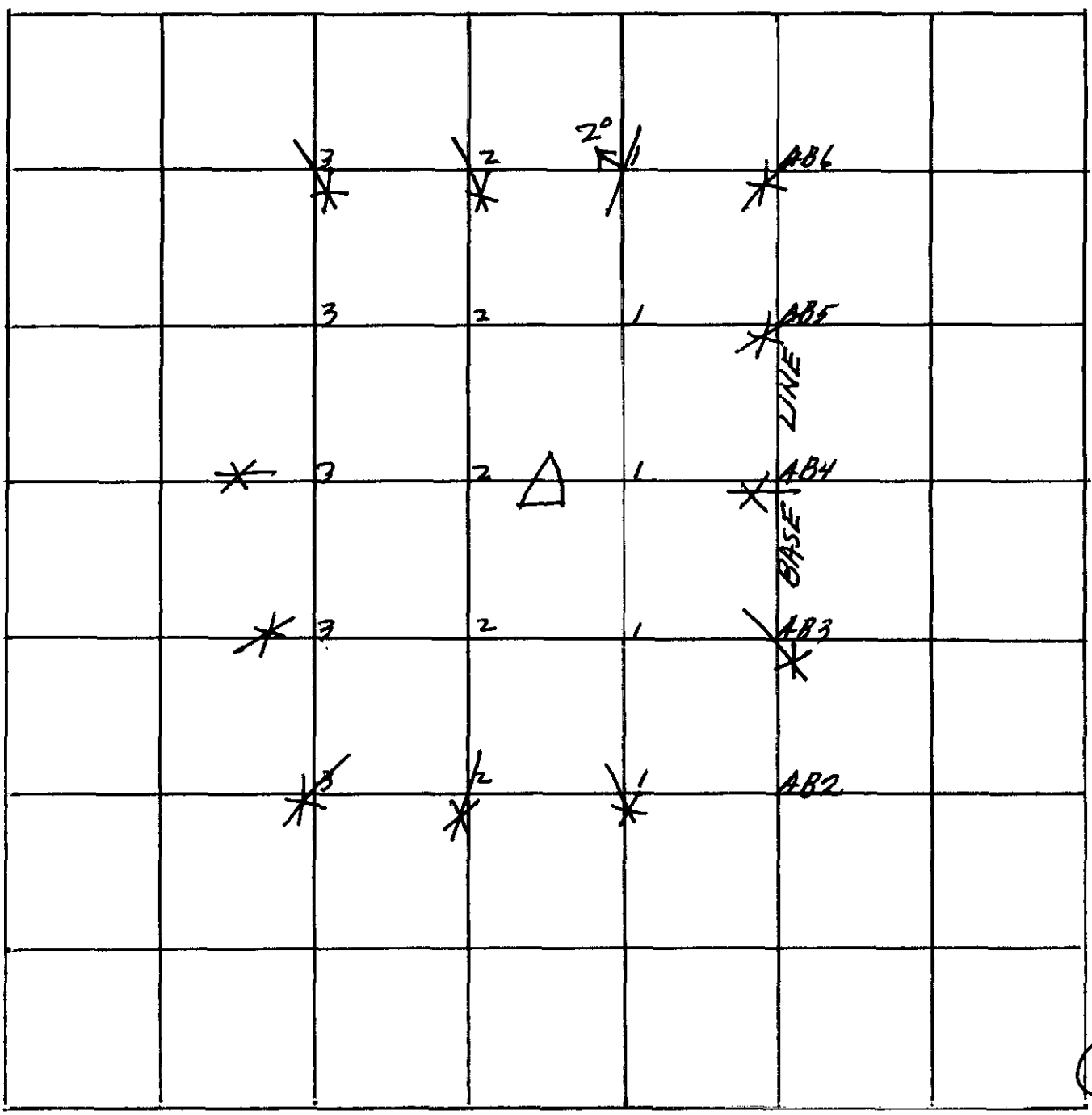
AMP 10

DATE May 1, 1960

BY G.C. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location
✳ = ZERO DIP
$\overset{\downarrow}{60}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION AB4-50S

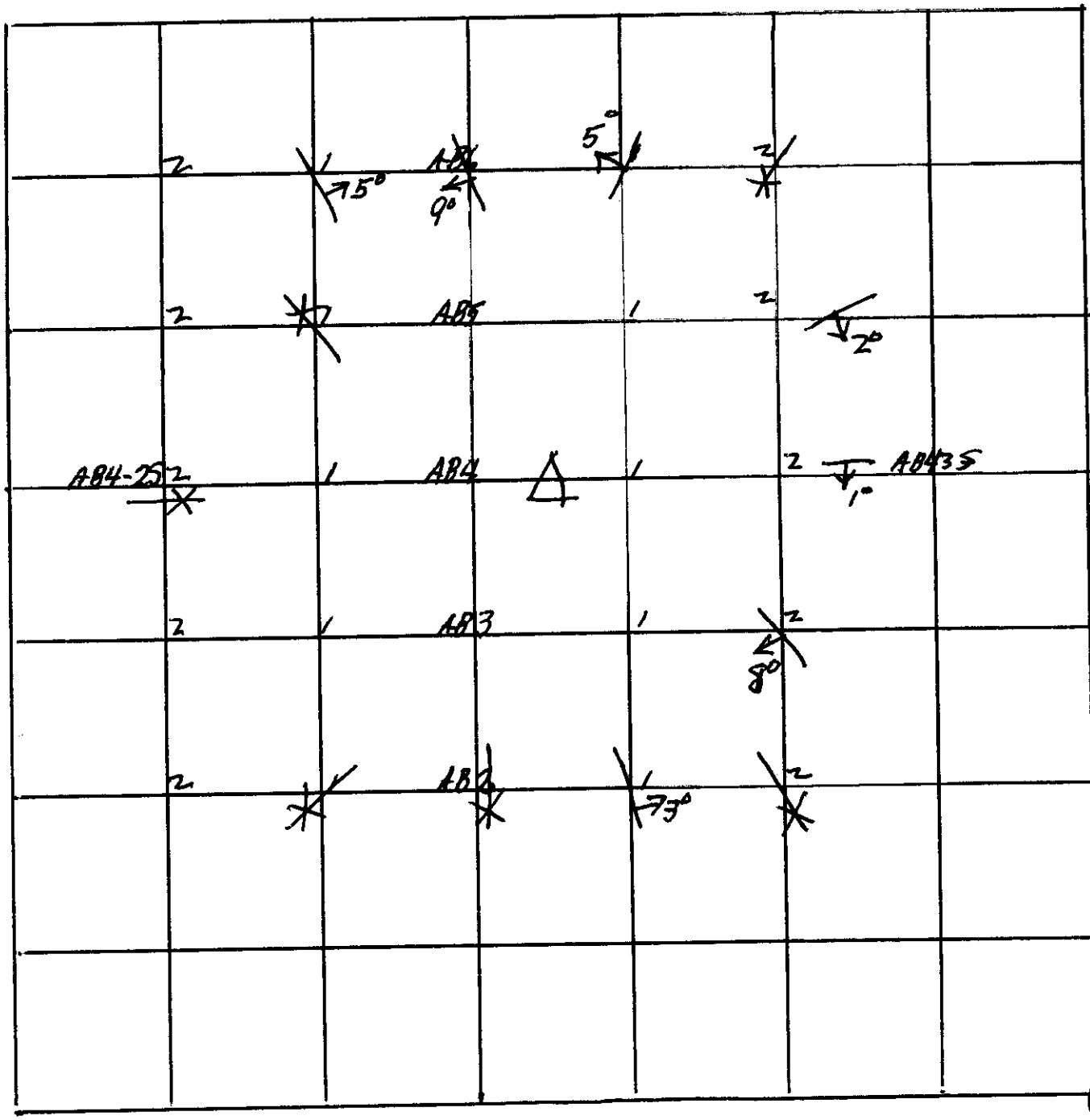
AND 10

DATE May 1, 1960

BY G.B. & J.M.B.

1" = 100' HOR.
125' VERT.

Δ = loop locations
✳ = ZERO DIP
↓60° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT No Golden Wonder

LOOP LOCATION AB2-2S

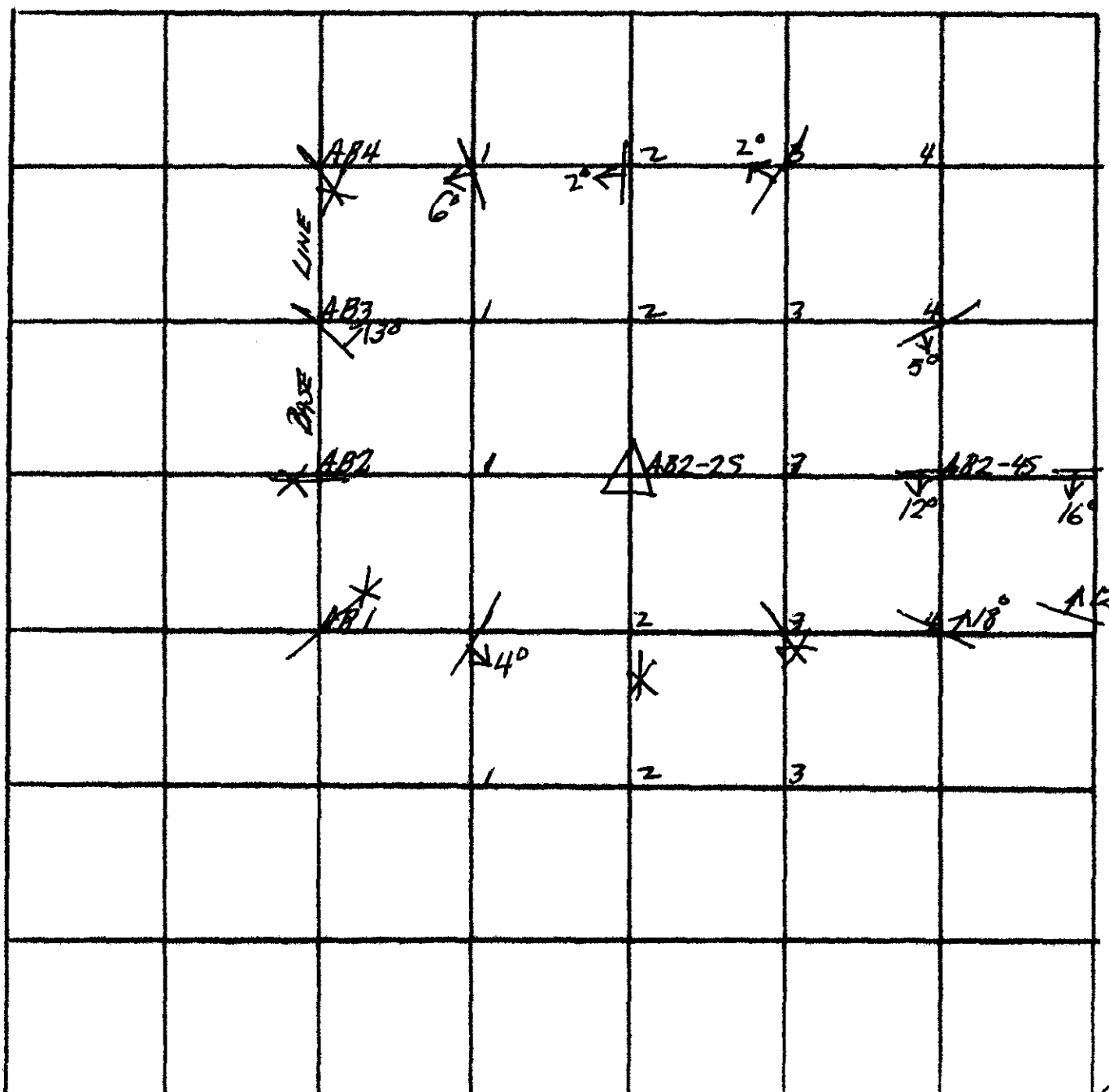
AMR 10

DATE May 2, 1960

BY G.C. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location
✳ = ZERO DIP
↓60° = DIP IN DEGREES



81

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION AB2 - 3+75 SOUTH

AMP 1.0

DATE May 2, 1960

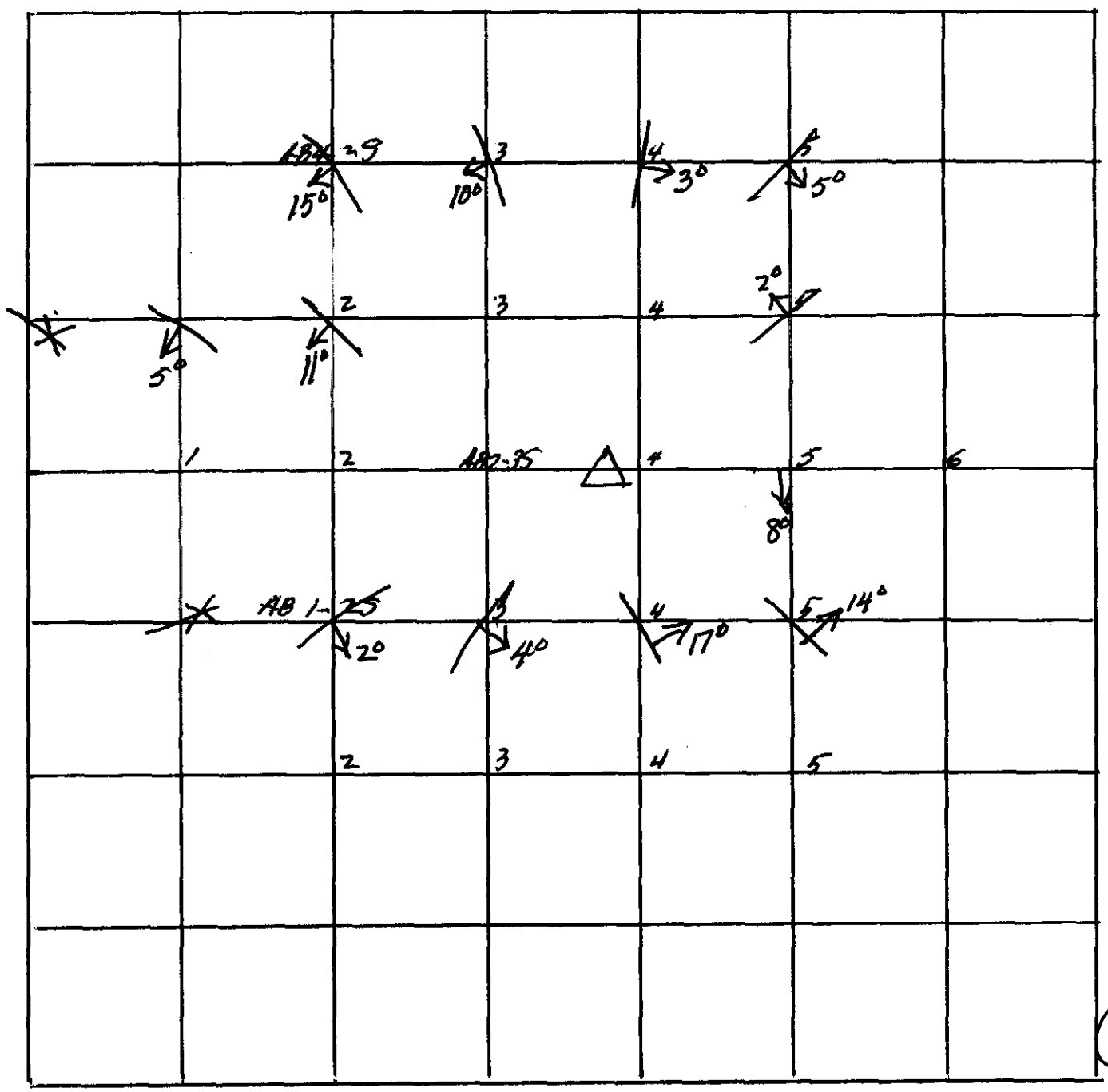
BY G.B. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location

✳ = ZERO DIP

↓6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION AB4 – 4+50 SOUTH

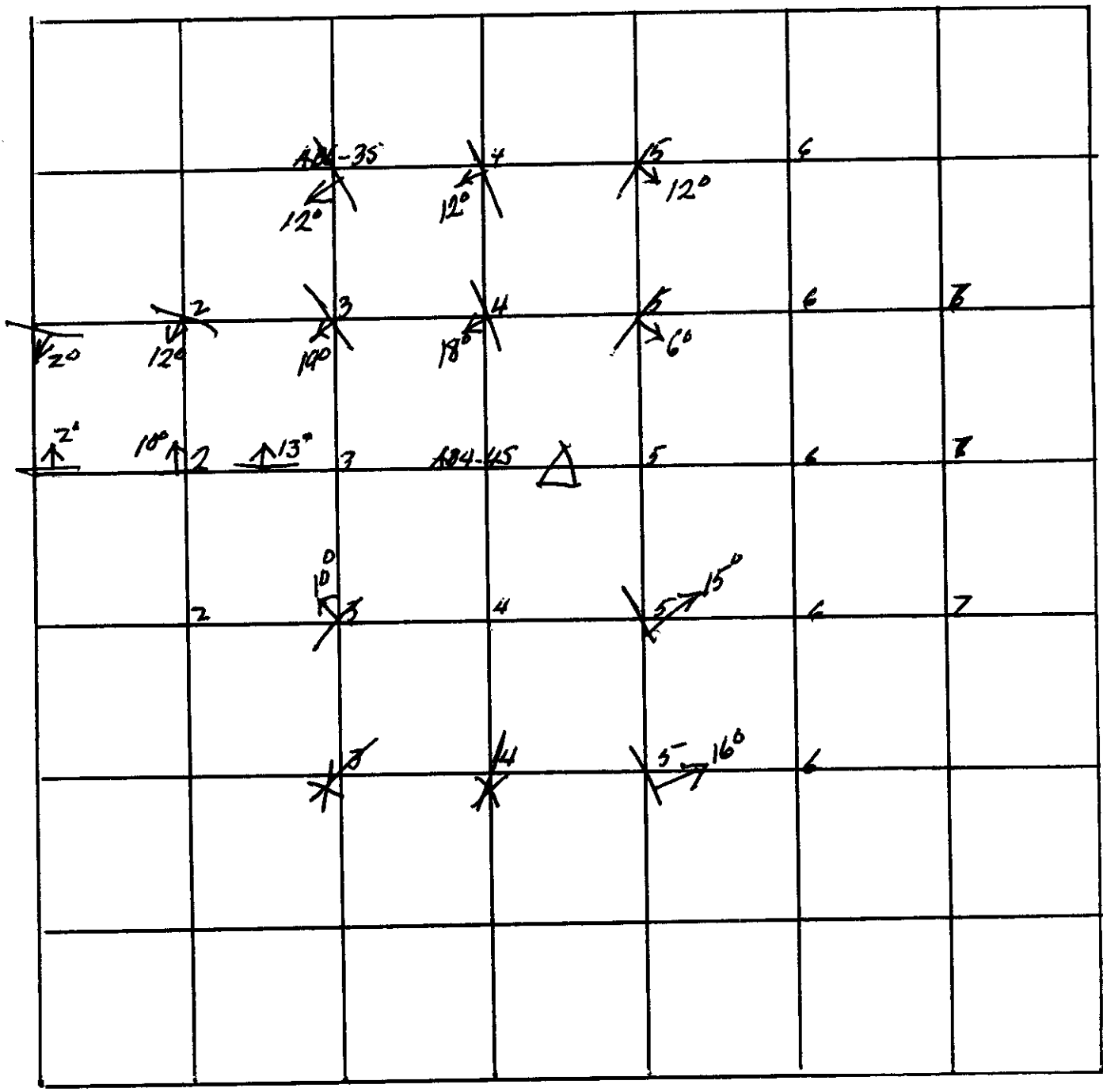
A.M.P. 1.0

DATE May 2, 1960

BY G.S. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location
✳ = ZERO DIP
↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION AB4 - 2+50 SOUTH & 60' EAST

AMP 1.0

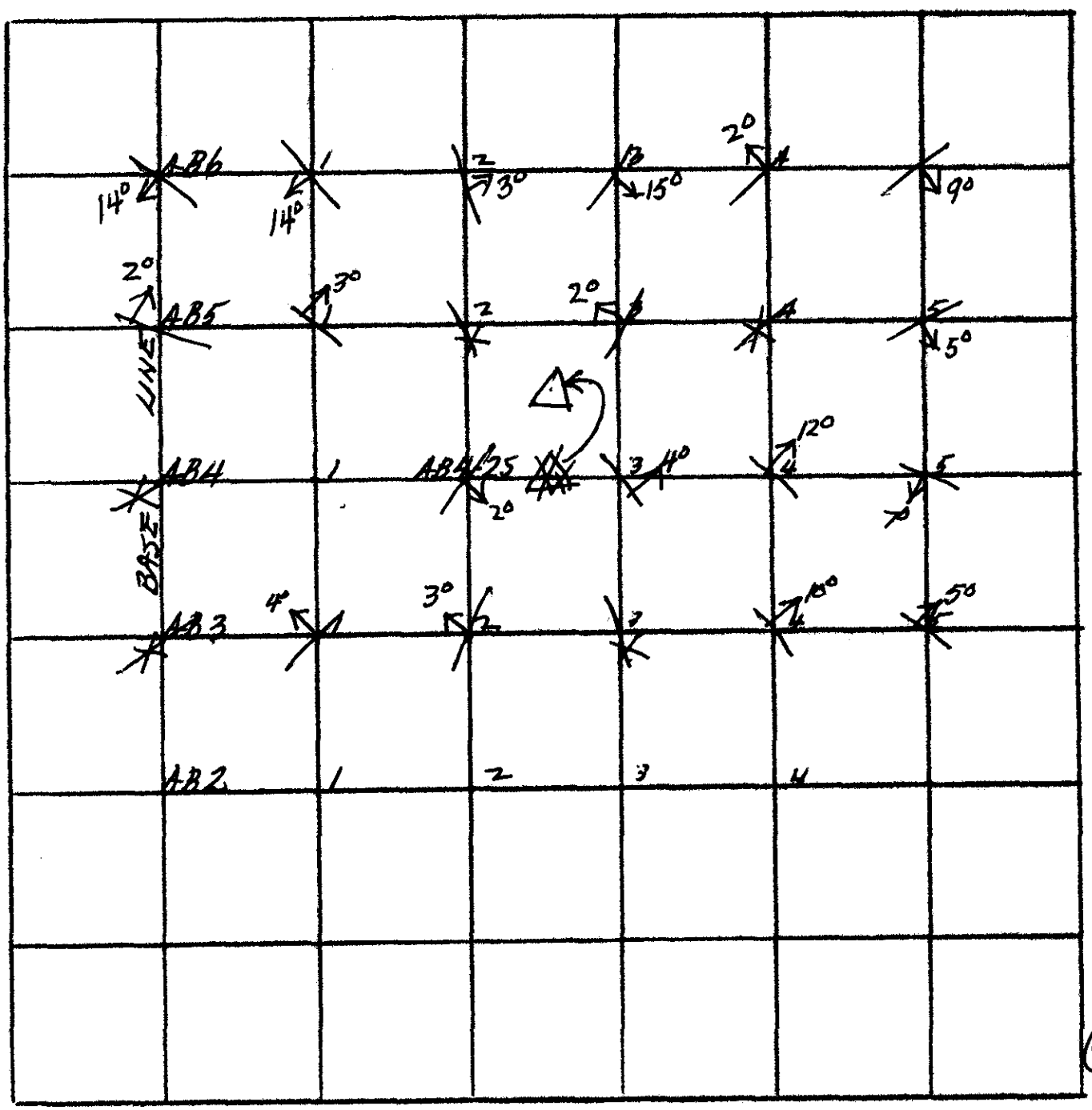
DATE May 2, 1960

BY G.B. & M.B.

N

1" = 100' HOR.
125' VERT.

Δ = loop location
× = ZERO DIP
↓60 = DIP IN DEGREES



84

GEOPHYSICAL FIELD NOTES

CONTRACT N° Gallow Wonder

LOOP LOCATION AB6-4S

AMP 1.0

DATE May 2, 1960

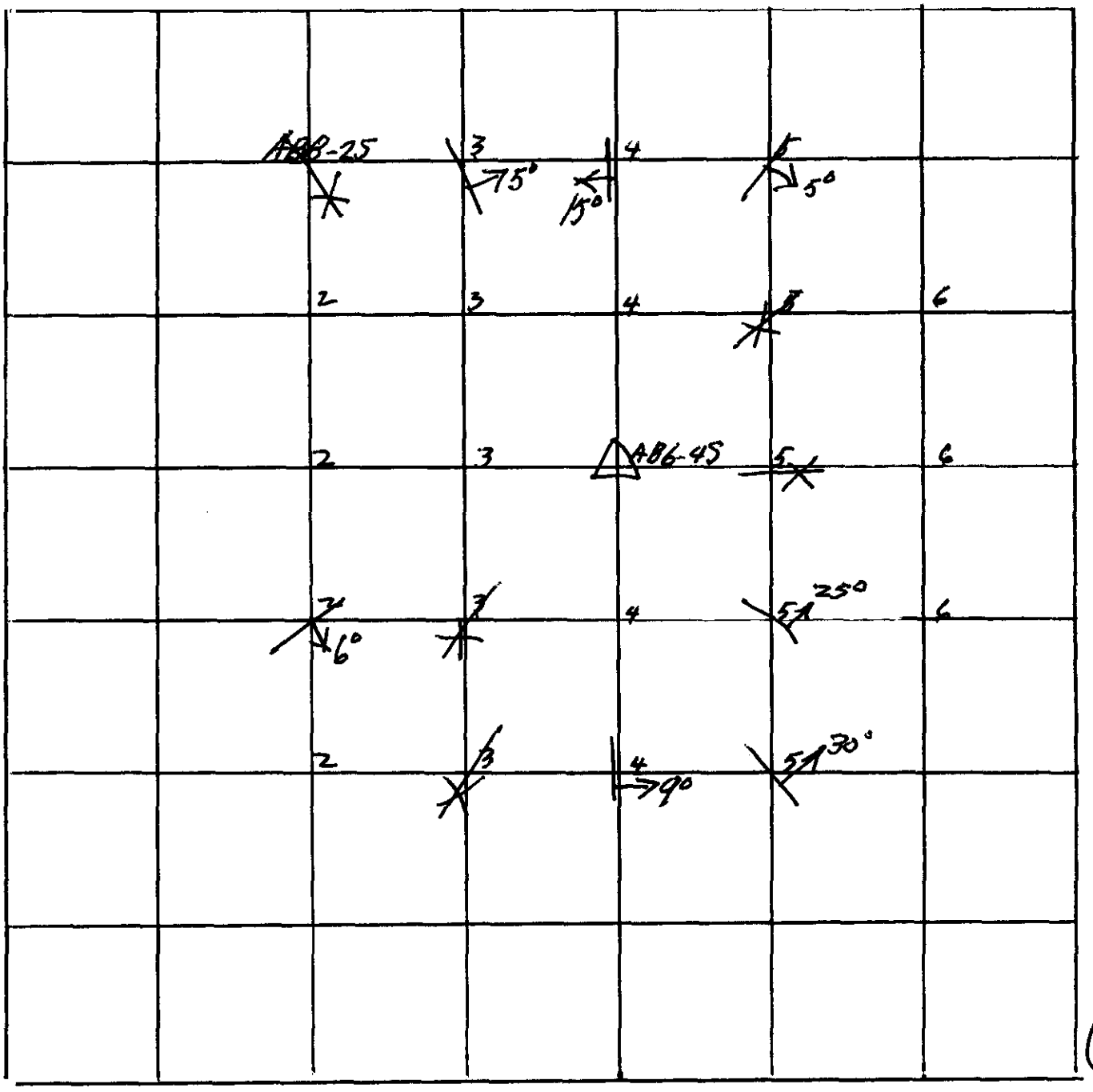
BY G.D. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

✳ = ZERO DIP

$\overset{\downarrow}{\underset{C°}{}}$ = DIP IN DEGREES



P5

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION AB6-450S.

AMP 1.0

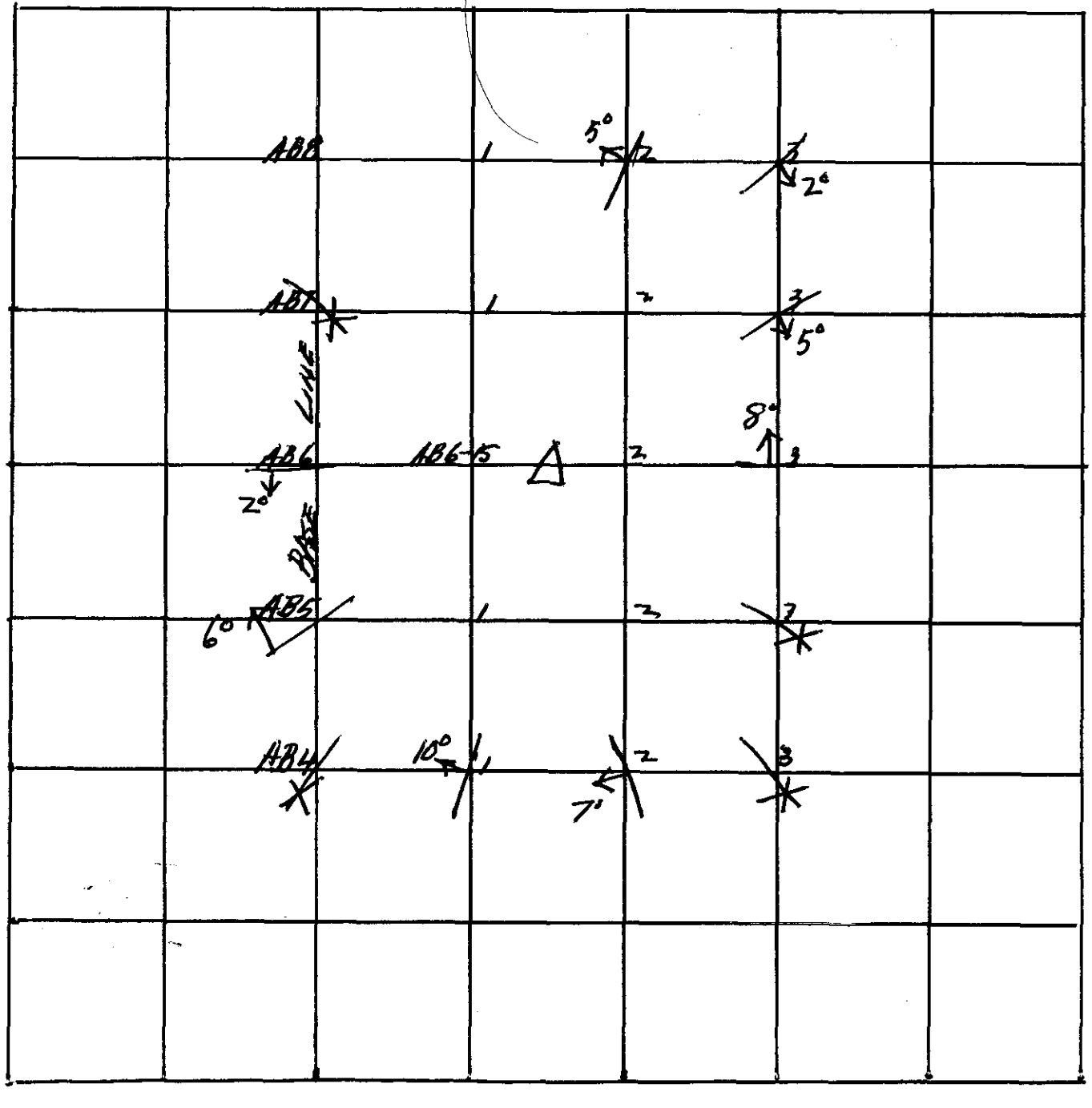
DATE May 1960

BY G.B. & M.B.

N

1" = 100' HOR
125 VERT.

Δ = loop location
✳ = ZERO DIP
↓ 6° = DIP IN DEGREES



86

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION ABG-1N

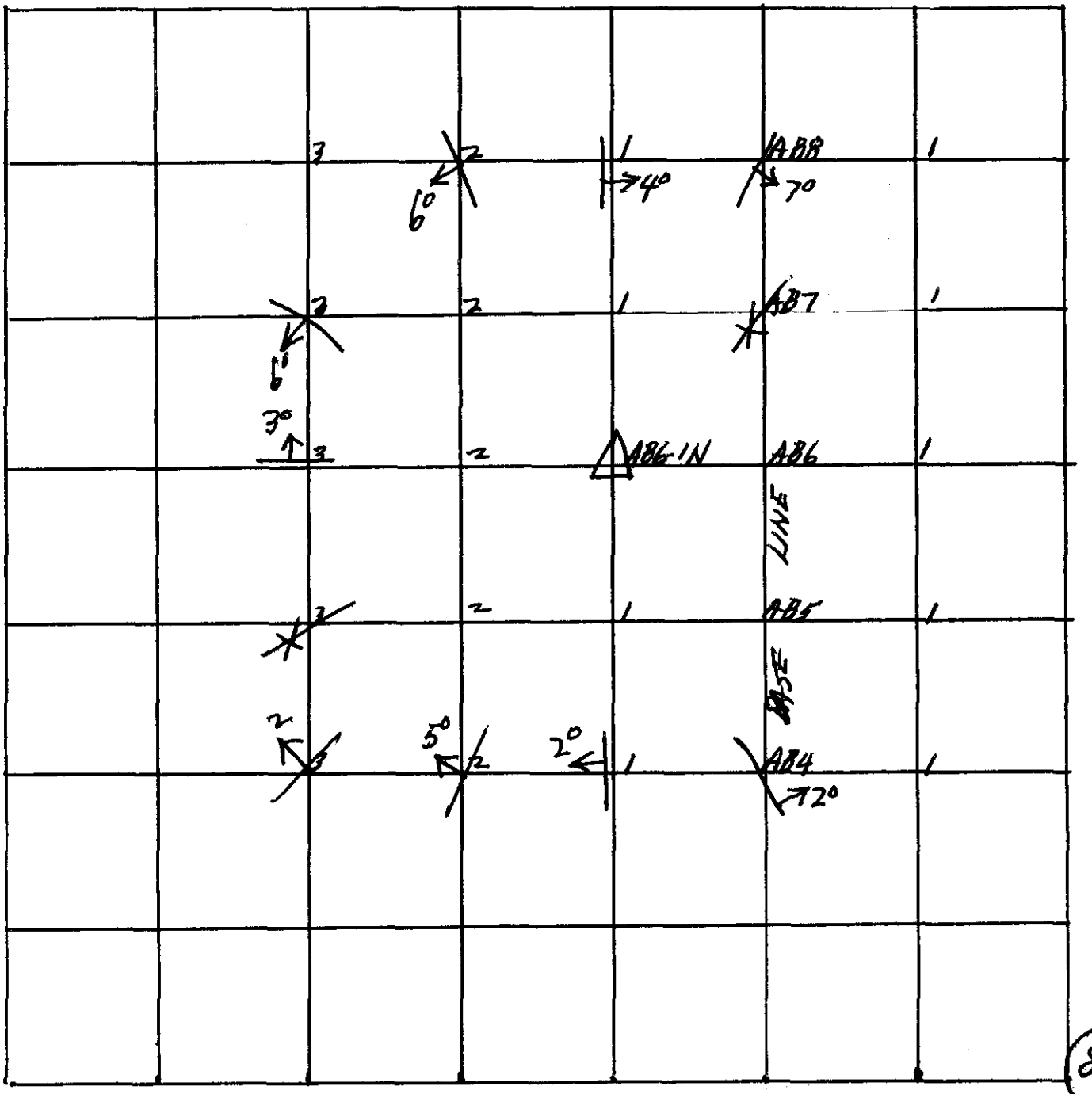
AMP 1.0

DATE May 3 1960

BY G.B. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location
✳ = ZERO DIP
$\overset{\downarrow}{60}$ = DIP IN DEGREES



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GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION AB6 - 3+50 N

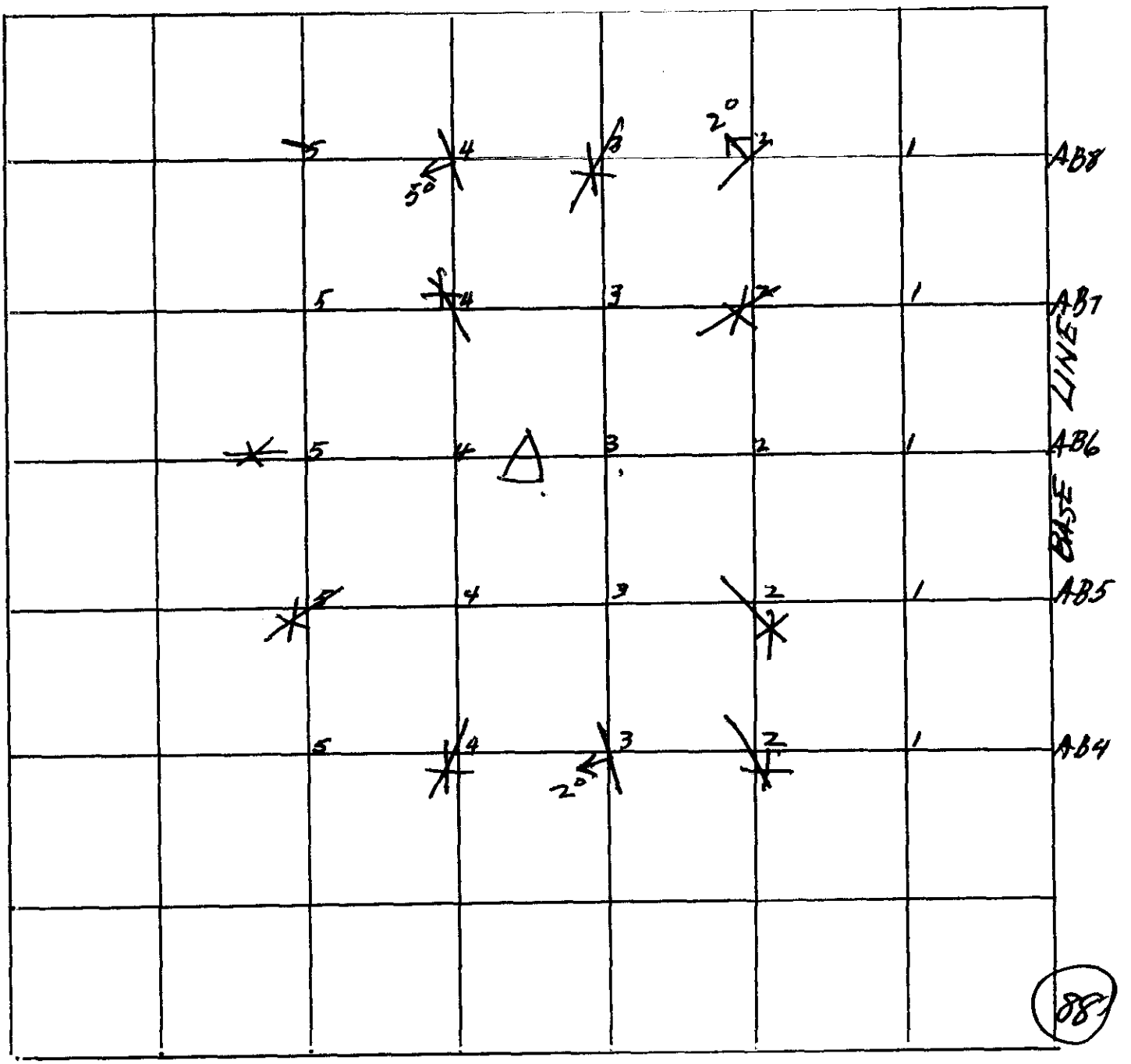
AMP 1.0

DATE May 3, 1960

BY G.B. & M.B.

1" = 100' HOR
125' VERT

Δ = loop location
✳ = ZERO DIP
↓60° = DIP IN DEGREES



88

GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Wonder

LOOP LOCATION A88-4+50N

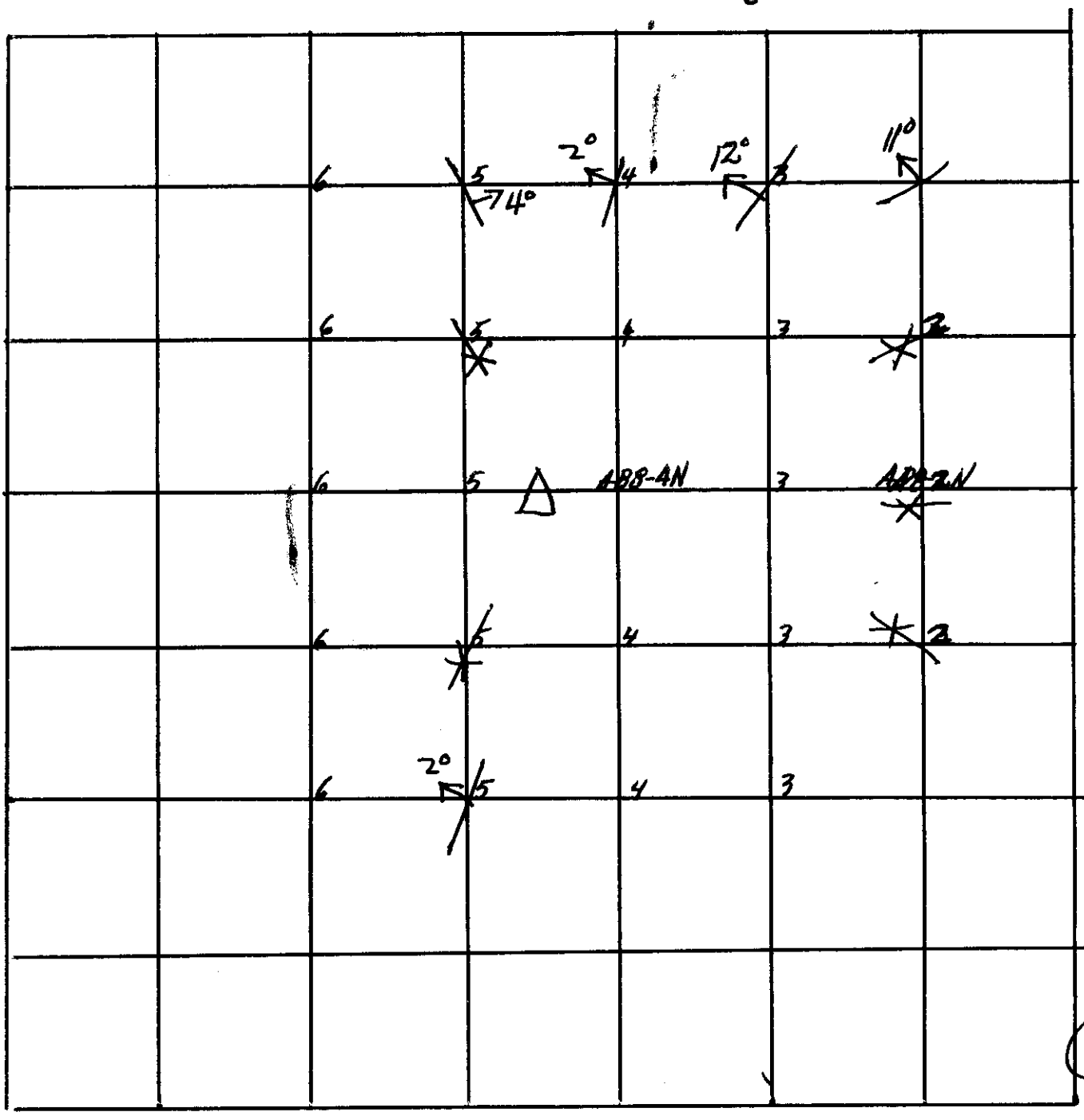
AMP 1.0

DATE May 3 1960

BY G.B. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location
+ = ZERO DIP
↓60° = DIR IN DEGREES



89

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Galiem Mendoza

LOOP LOCATION ABB-2N

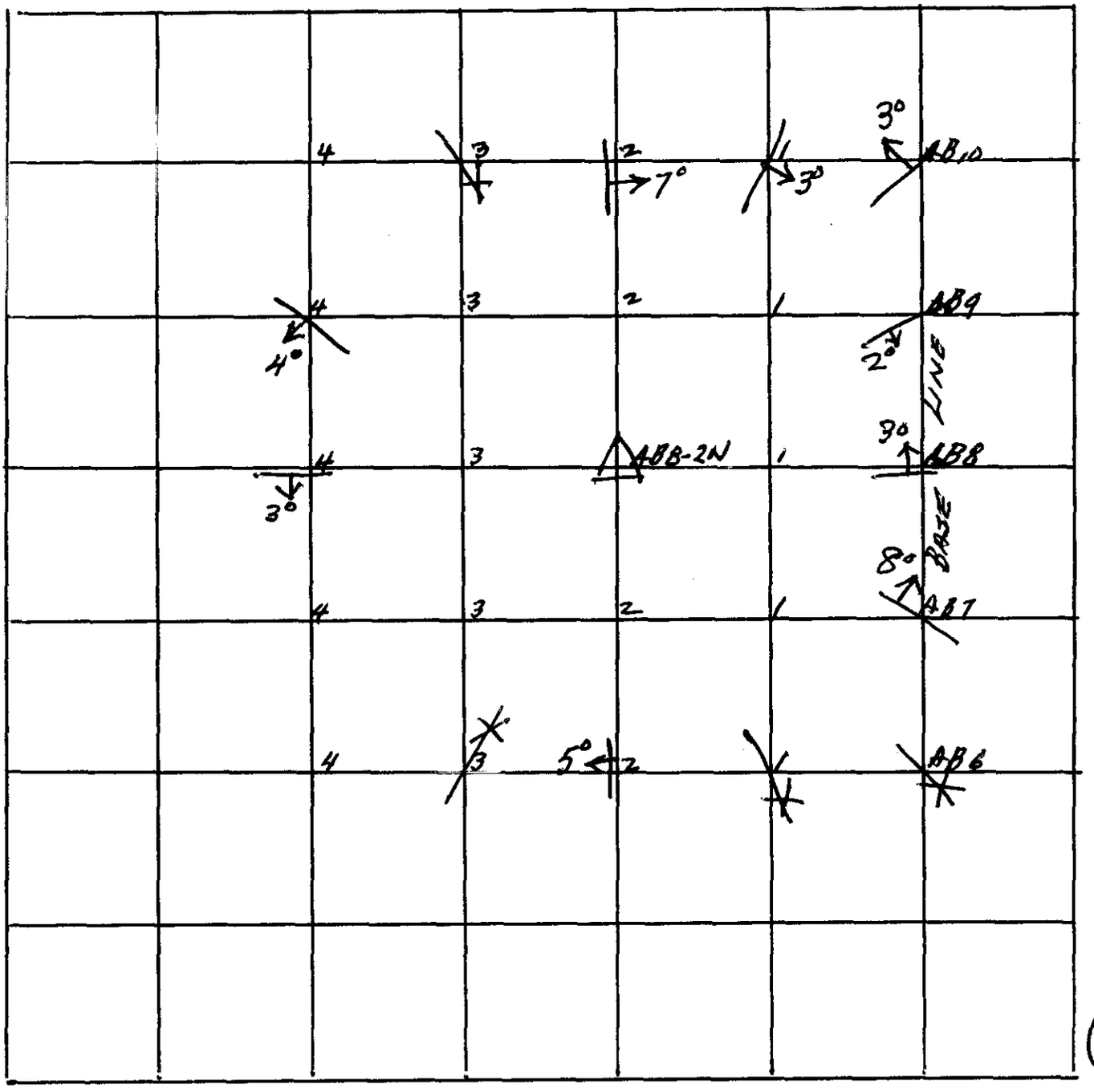
AMP 1.0

DATE May 3, 1960

BY G.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location
* = ZERO DIP
$\overset{\downarrow}{60}$ = DIP IN DEGREES



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GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Meadow

LOOP LOCATION AB10 - 4+50 N

AMP 1.0

DATE May 3 1960

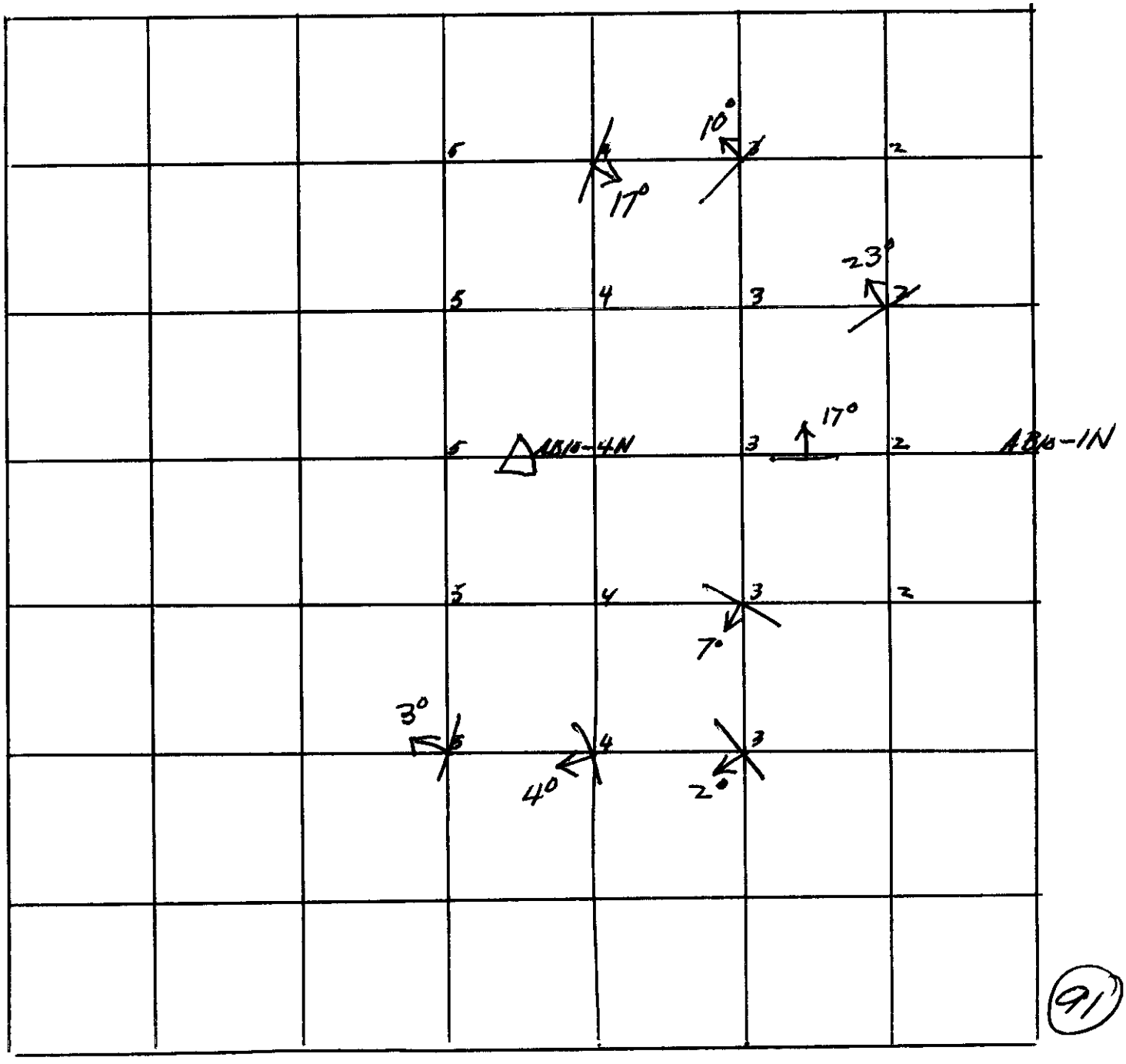
BY L.L.B & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location

* = ZERO DIP

$\overset{\downarrow}{60°}$ = DIP IN DEGREES



91

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GEOPHYSICAL FIELD NOTES

CONTRACT NO Leclaire Wonder

LOOP LOCATION ABIO-1N

AMP 1.0

DATE May 3 1960

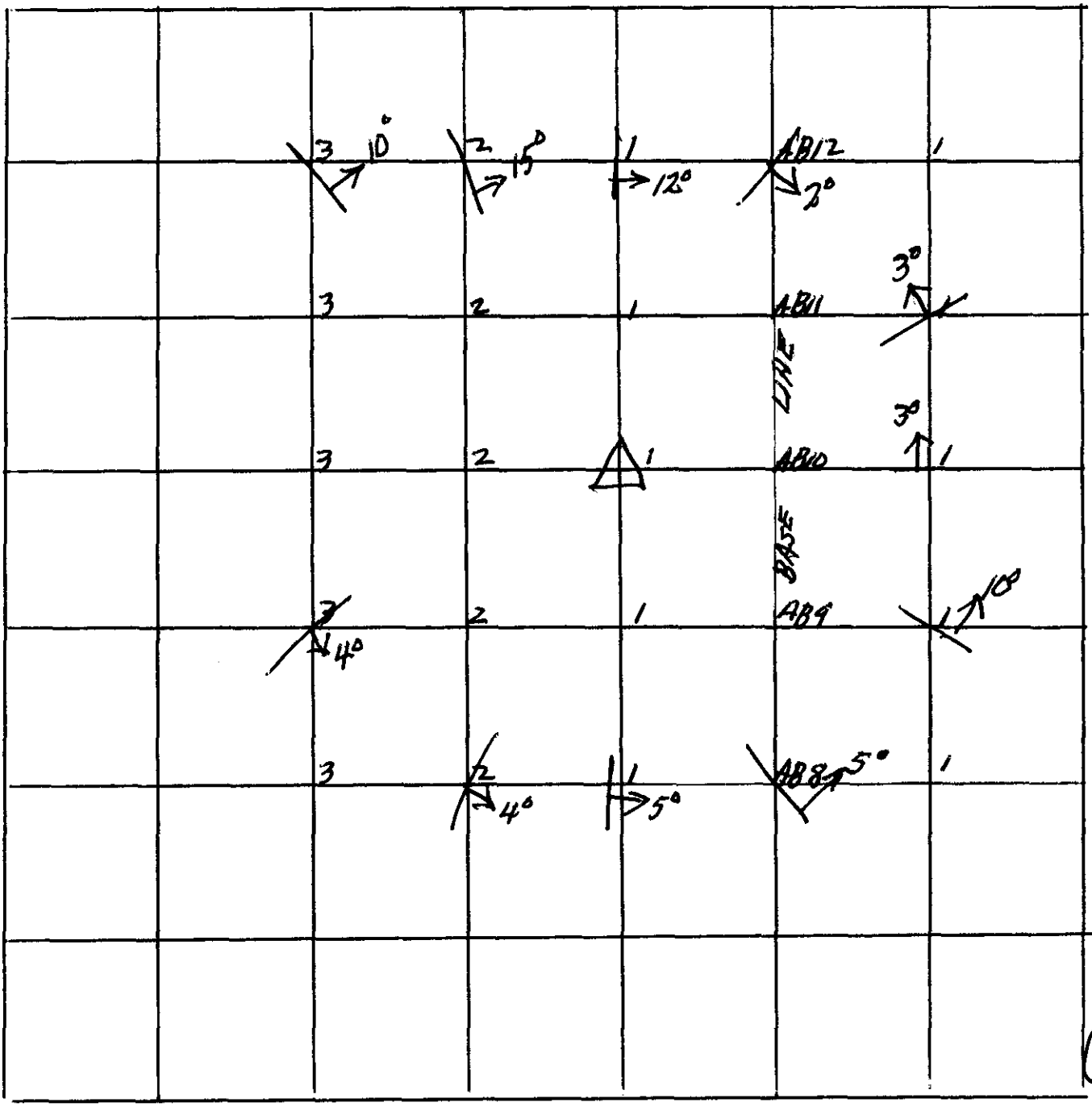
BY G.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ - loop location

✳ = ZERO DIP

$\overset{\downarrow}{60°}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Gulleni Mander

LOOP LOCATION AB 10 - 1450 S

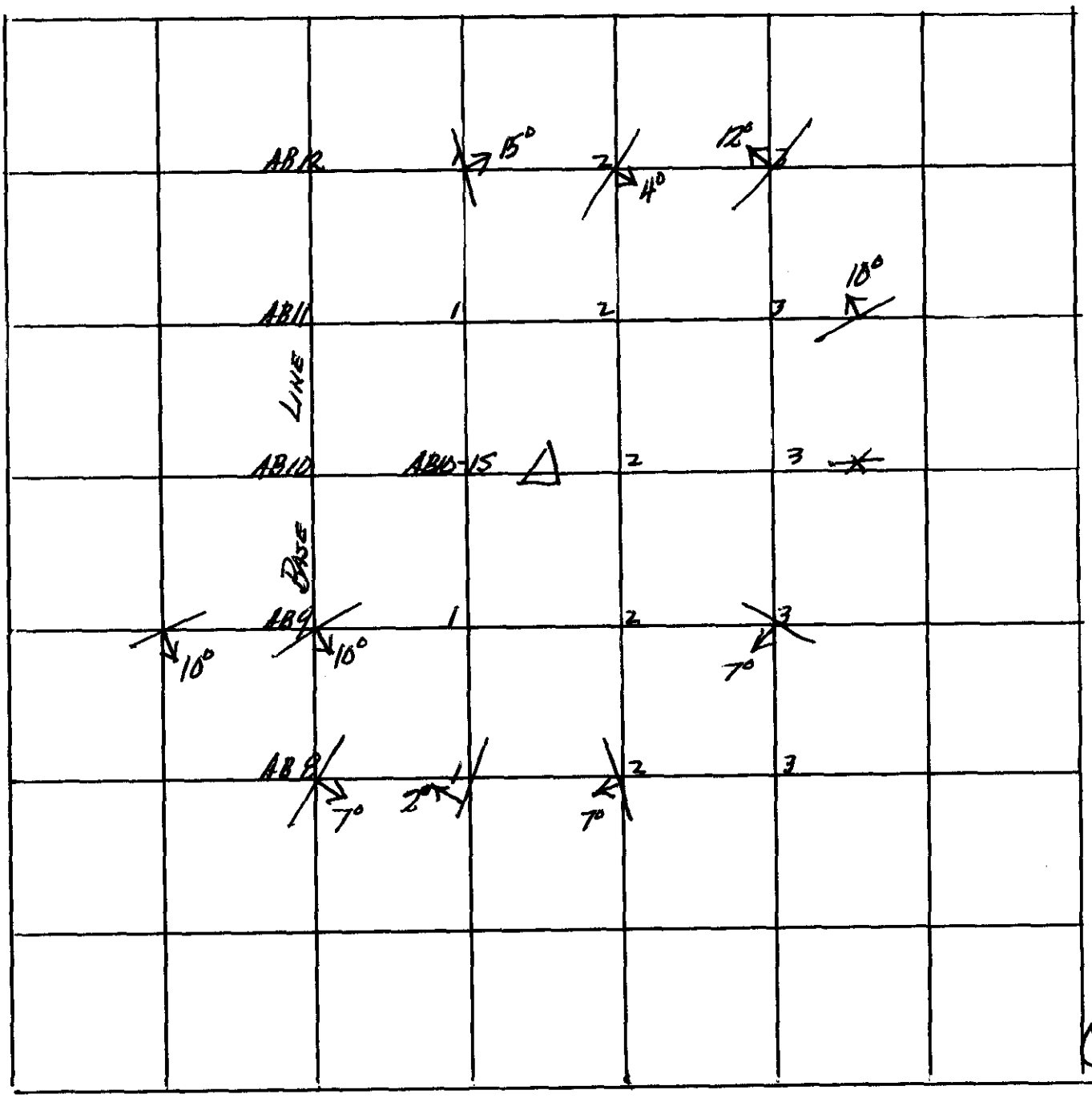
AMP 1.0

DATE 24 May 1960

BY L.C. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location
⊣ = ZERO DIP
↓60 = DIP IN DEGREES



93

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION AB10-4S.

AMP 1.0

DATE May 4 1960

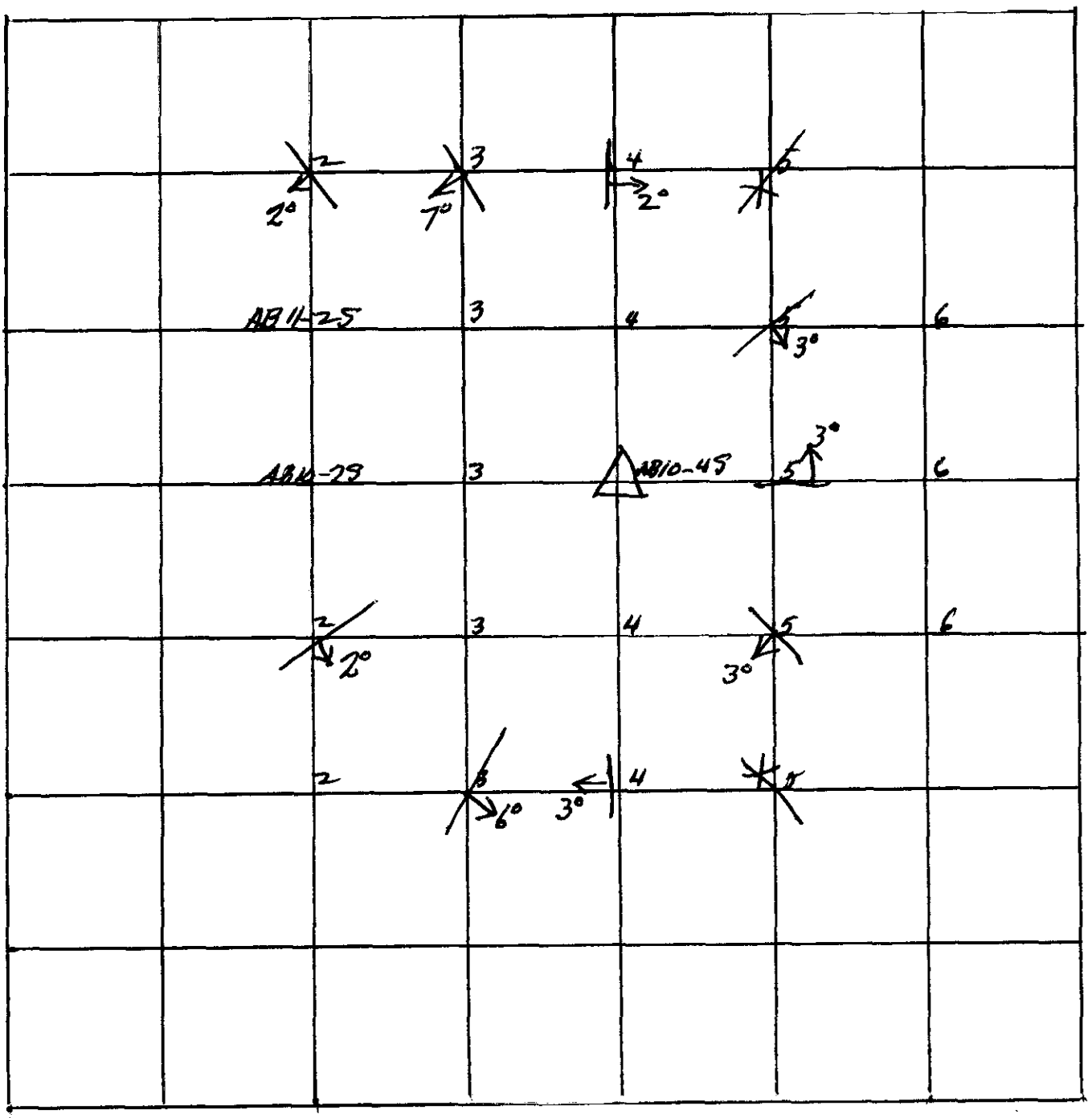
BY G.L.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

\+ = ZERO DIP

$\overset{\downarrow}{6°}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION AB12-2+50S

AMP 1.0

DATE May 4 1960

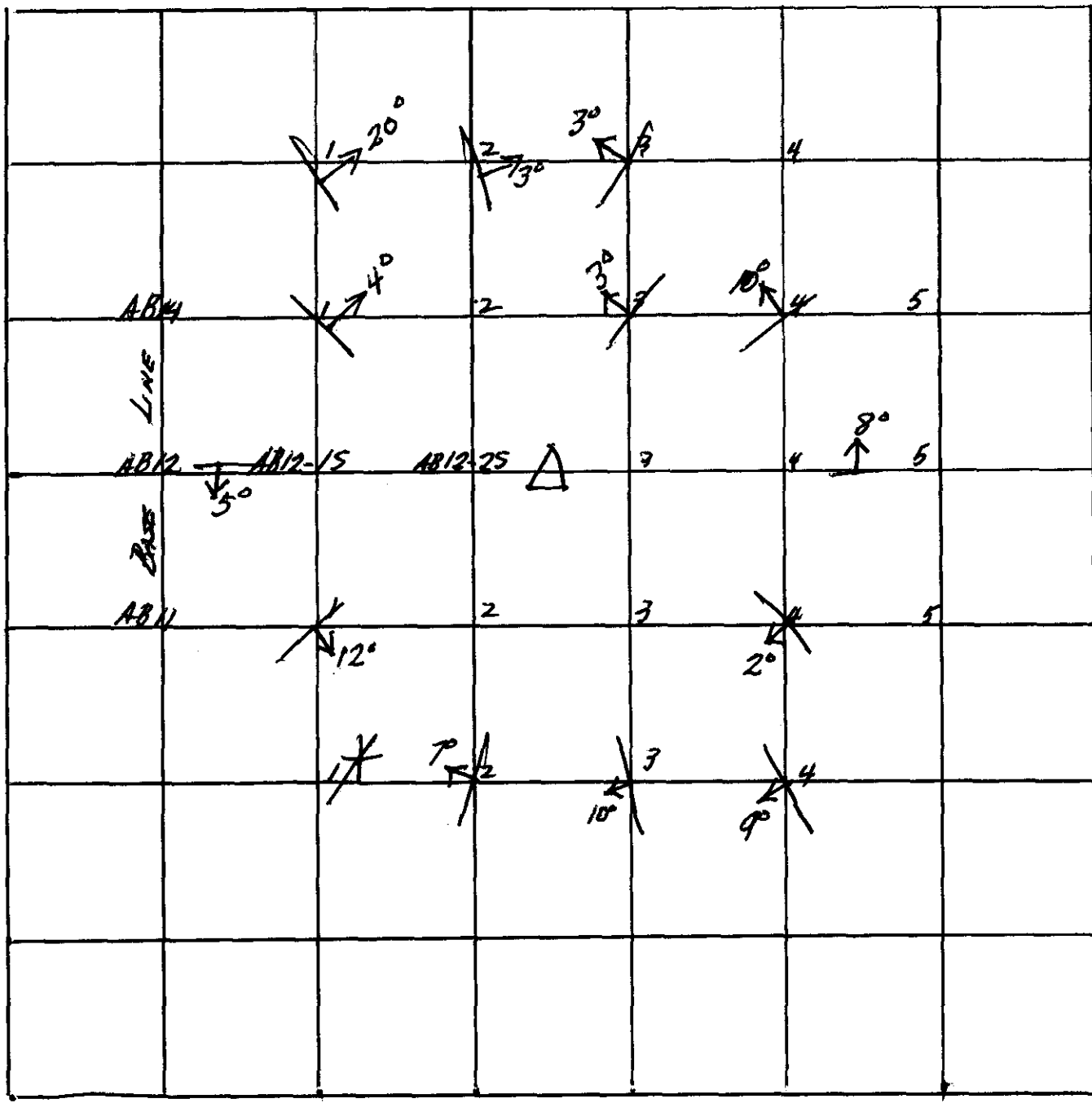
BY L.A.B. & M.B.

1" = 100 HOR.
125' VERT.

Δ = LOOP LOCATION.

\+ = ZERO DIP

↓6° = DIP IN DEGREES



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GEOPHYSICAL FIELD NOTES

CONTRACT No. Golden Wonder

LOOP LOCATION AB12

AMP 10

DATE May 4, 1960

BY G.D. & M.B.

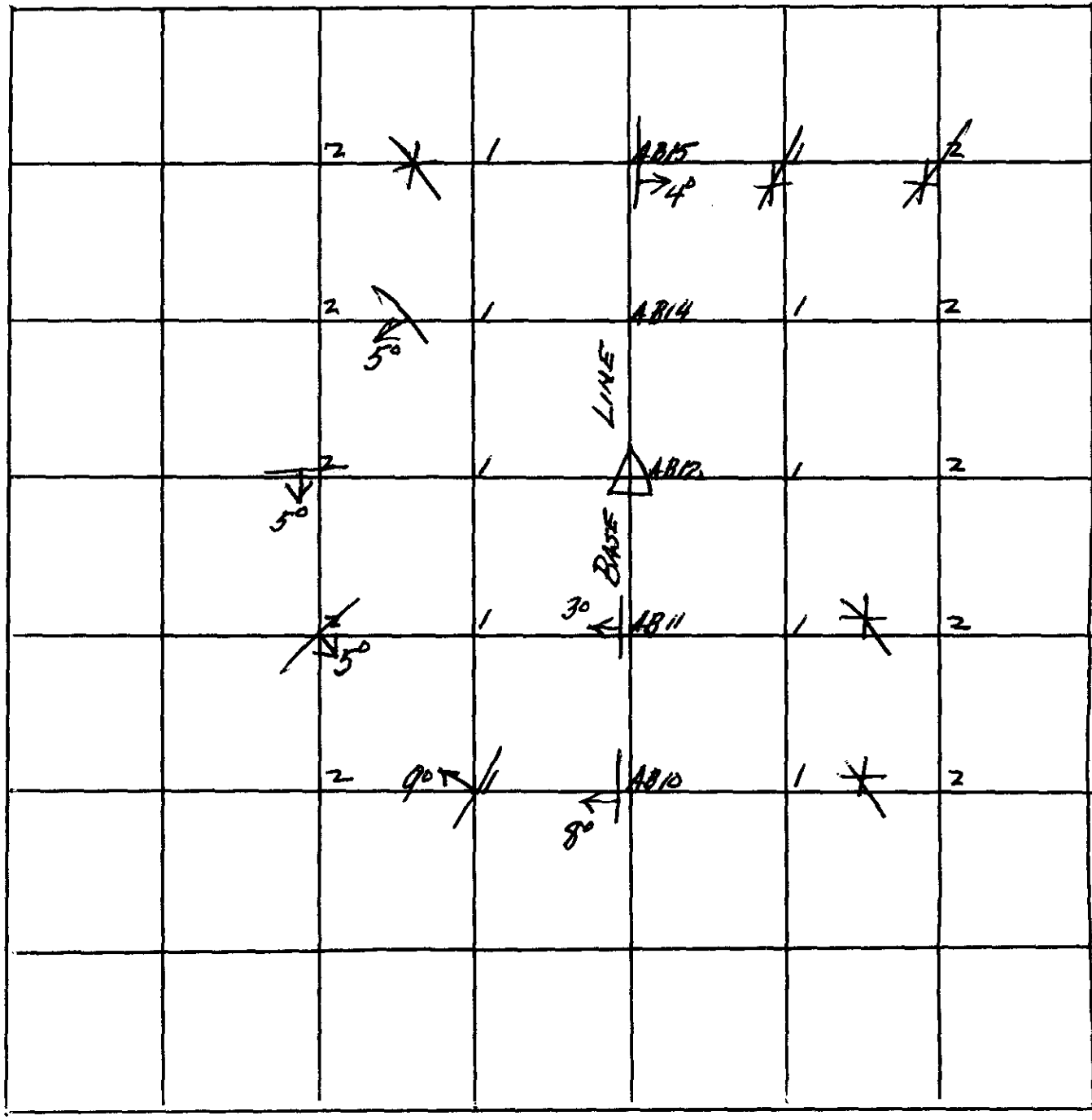
N

1" = 100' HOR
125' VERT.

Δ = loop location

✳ = ZERO DIP

$\overset{\uparrow}{\downarrow}_{60°}$ = DIP IN DEGREES



(96)

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GEOPHYSICAL FIELD NOTES

CONTRACT NO Cuban Mondo

LOOP LOCATION AB12 - 2+50 N

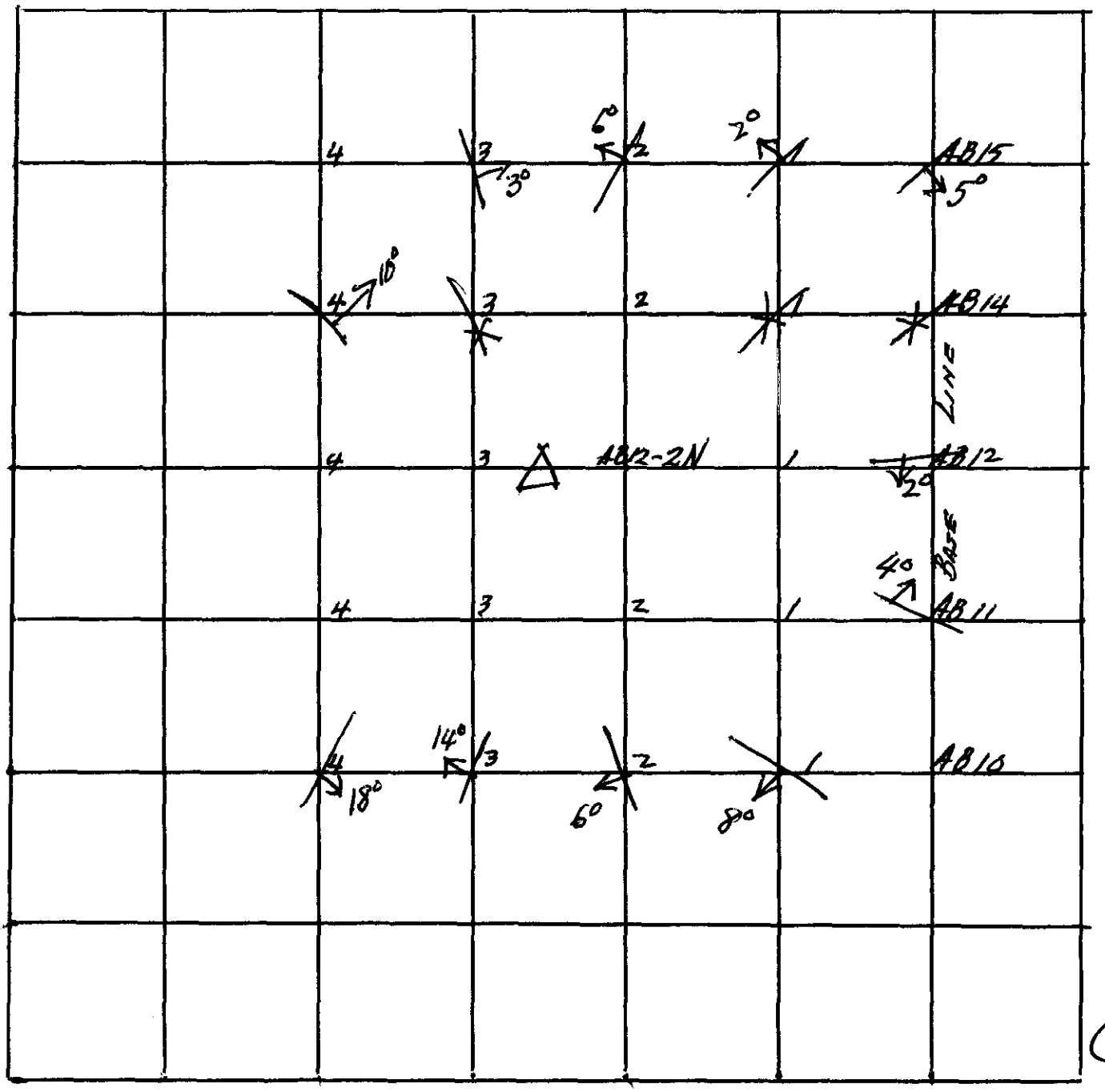
AMP 1.0

DATE May 4 1960

BY L.L.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = Loop location
✳ = ZERO DIP
$\overset{\uparrow}{\underset{\downarrow}{}}_{60°}$ = DIP IN DEGREES



(97)

GEOPHYSICAL FIELD NOTES

CONTRACT № Golden Wonder

LOOP LOCATION 25' NORTH OF AB12-4N

AMP. 1.0

DATE May 5, 1960

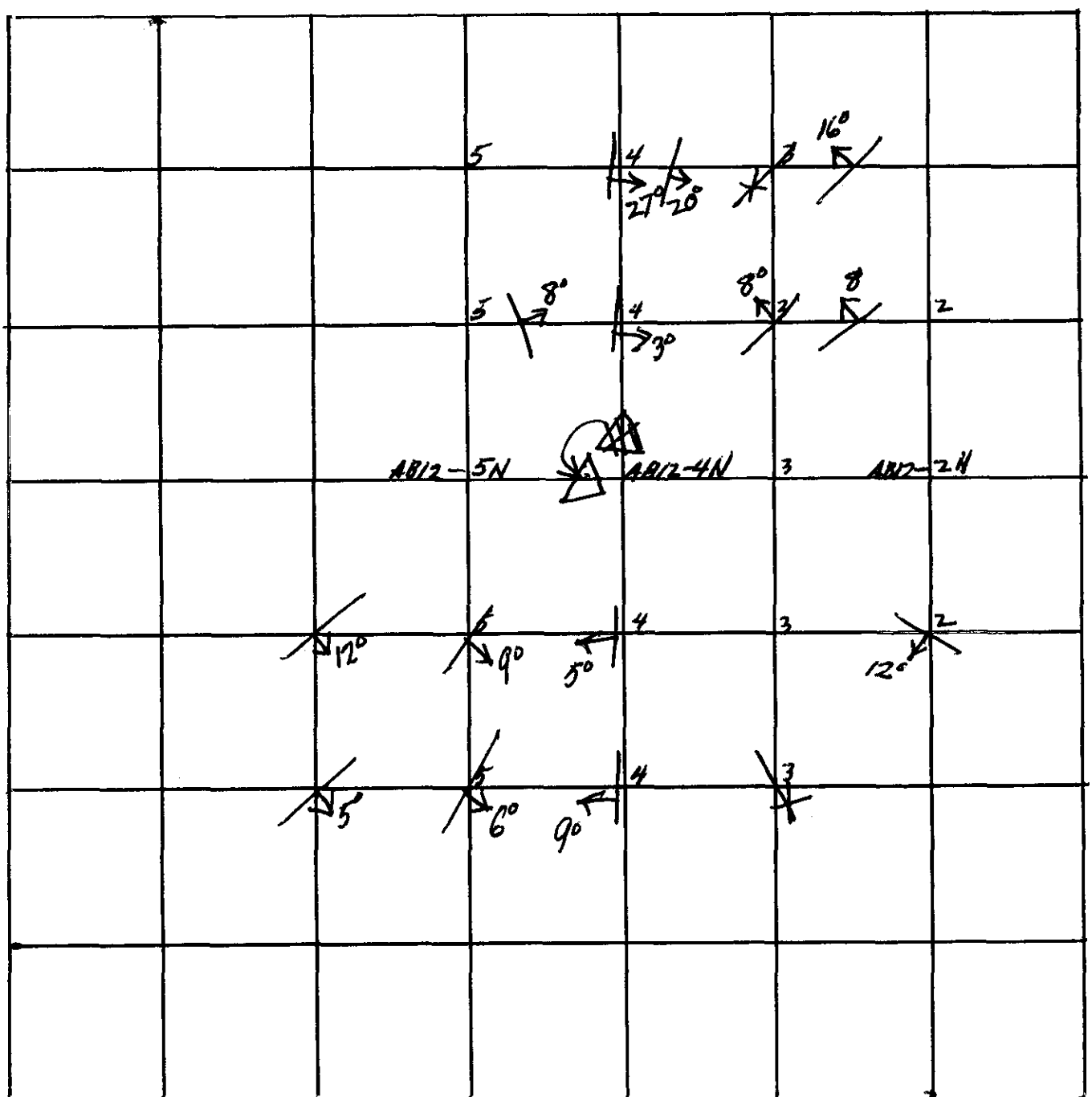
BY G.L.Q. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

✕ = ZERO DIP

$\overset{\downarrow}{\underset{60°}{}}$ = DIP IN DEGREES



(98)

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GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Mandrel

LOOP LOCATION AB15 - 50N

AMP 10

DATE May 5, 1960

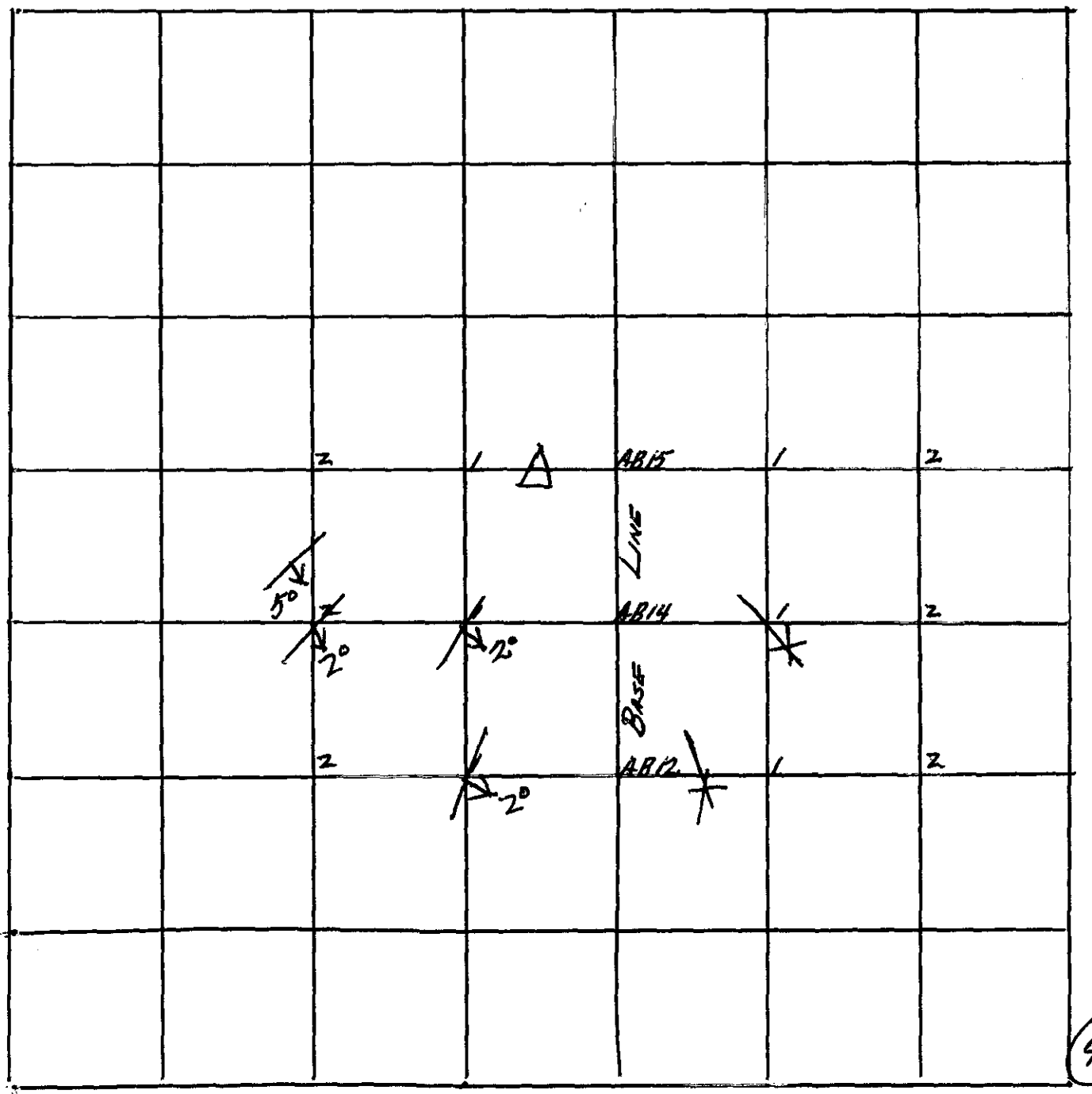
BY L.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

* = ZERO DIP

↓60 = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION AB15 - 2+50S

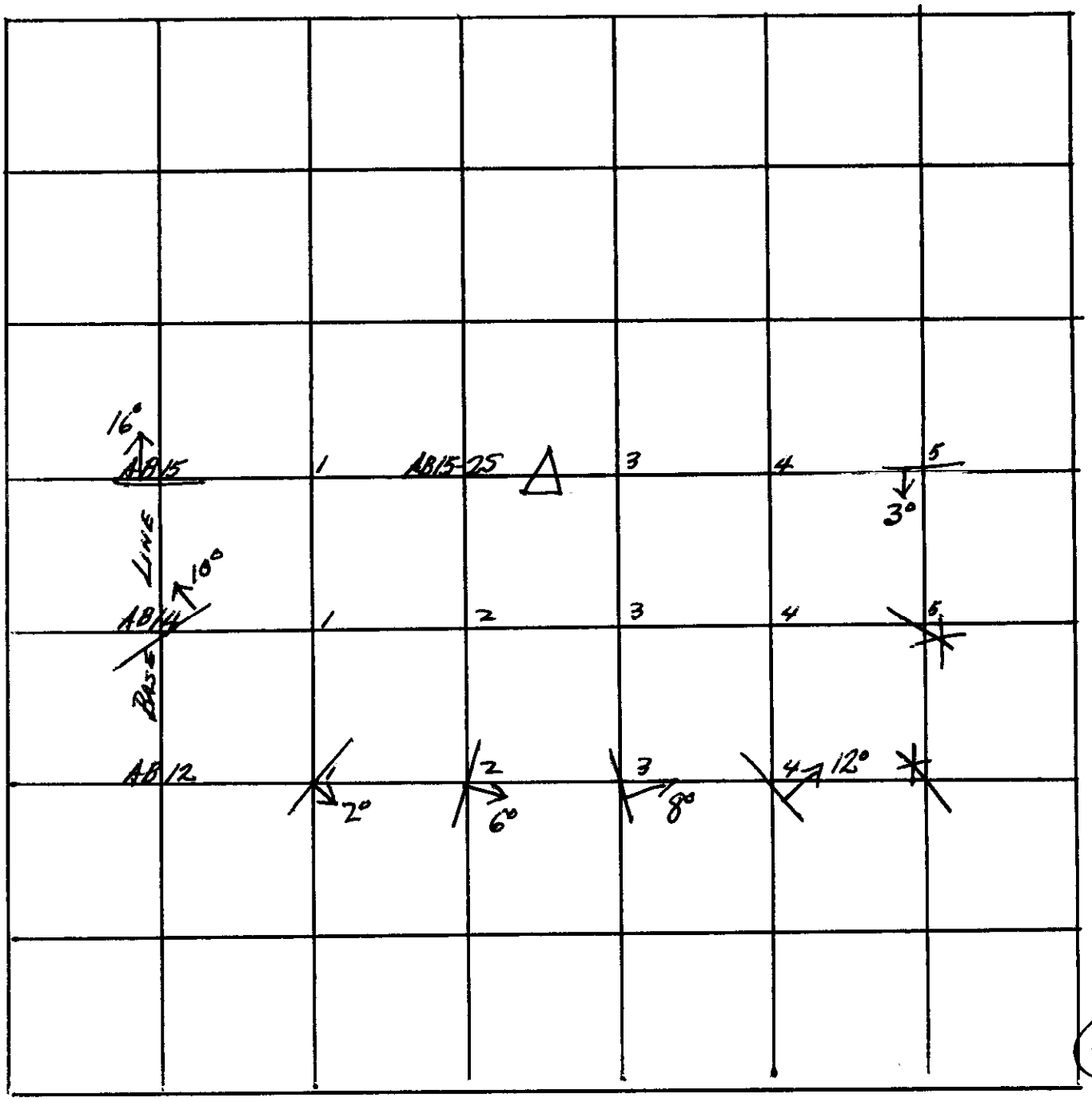
AMP. 1.0

DATE May 5, 1960

BY L.L.O. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location
* = ZERO DIP
↓ 6° = DIP IN DEGREES



100'

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Wonder

LOOP LOCATION AB15-55

AMP 1.0

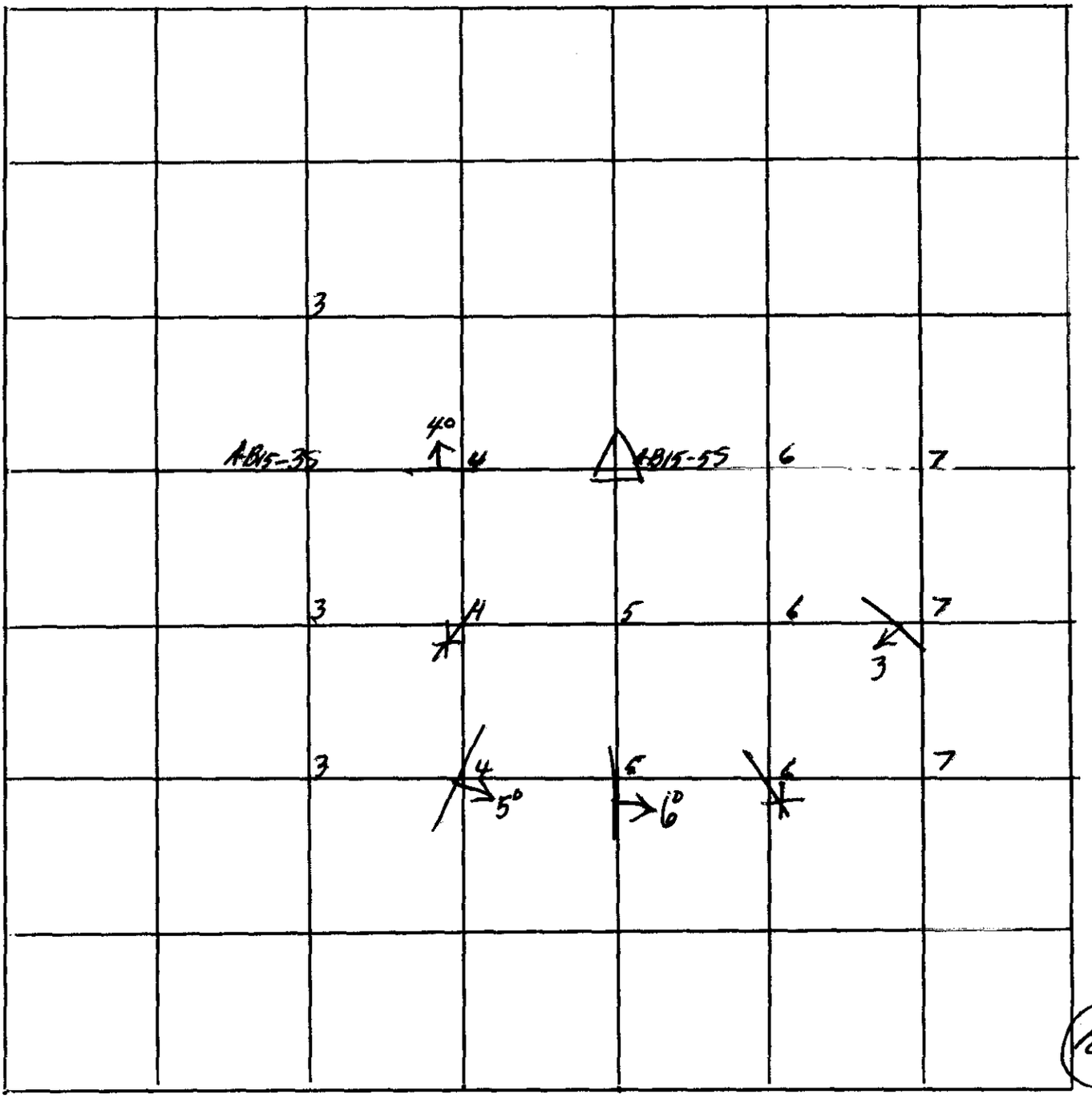
DATE May 5, 1960

BY H.B. & M.B.

N

1" = 100' HOR.
125' VERT.

Δ = loop locations
✳ = ZERO DIP
$\overset{\downarrow}{60^\circ}$ = DIP IN DEGREES



101

GEOPHYSICAL FIELD NOTES

CONTRACT NO. Golden Wonder

LOOP LOCATION ABM-5+50S

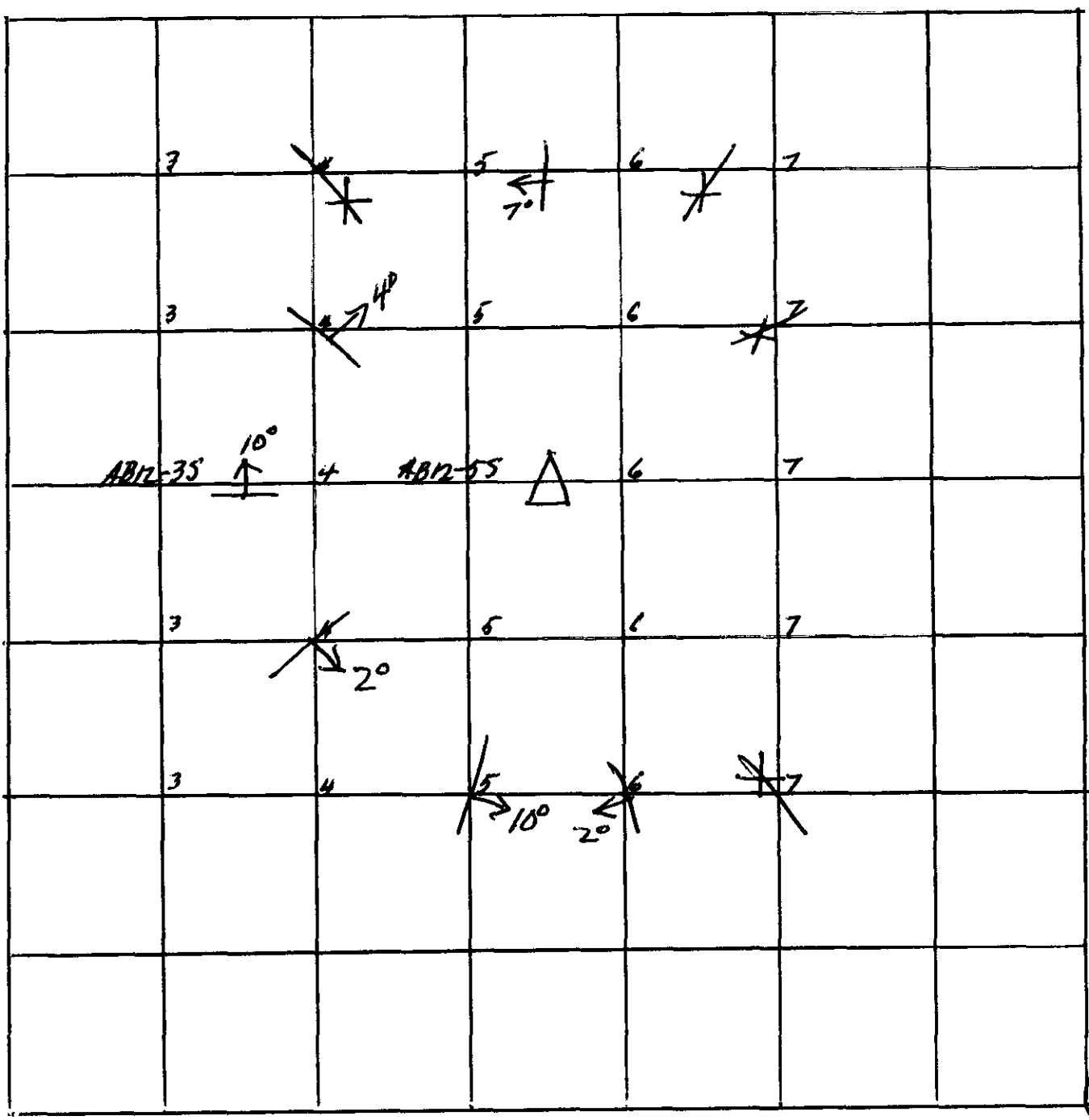
AMP 10

DATE May 5 1960

BY L.B. & M.B.

1" = 100 HOR.
125' VERT.

Δ = loop location
+ = ZERO DIP
$\overset{\downarrow}{60^\circ}$ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION ABI2-8S

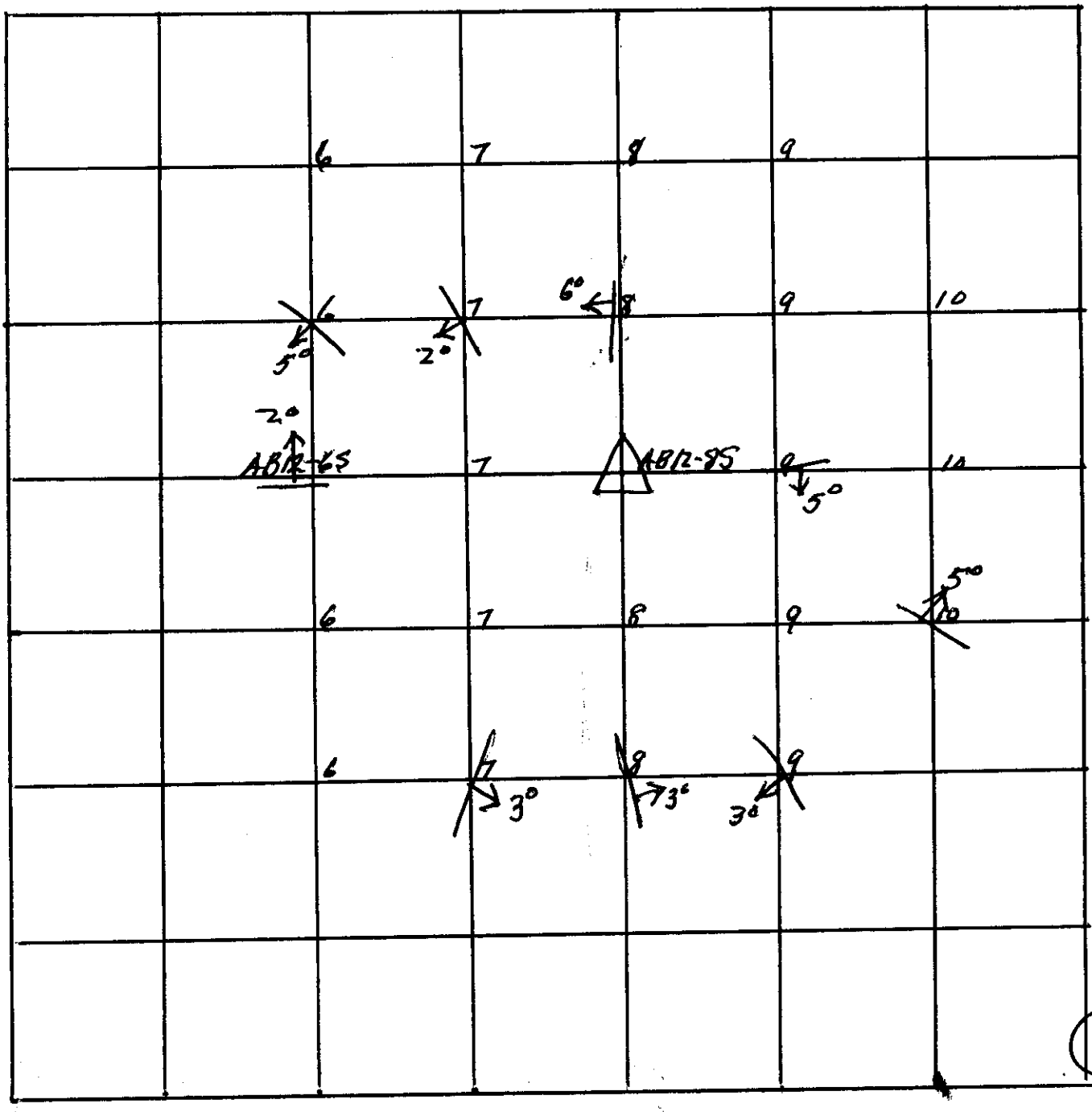
AMP 1.0

DATE May 5 1960

BY G.C. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location
+ = ZERO DIP
↓ = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Meadow

LOOP LOCATION ABIO-6+50S

AMP 6.0

DATE May 6 1960

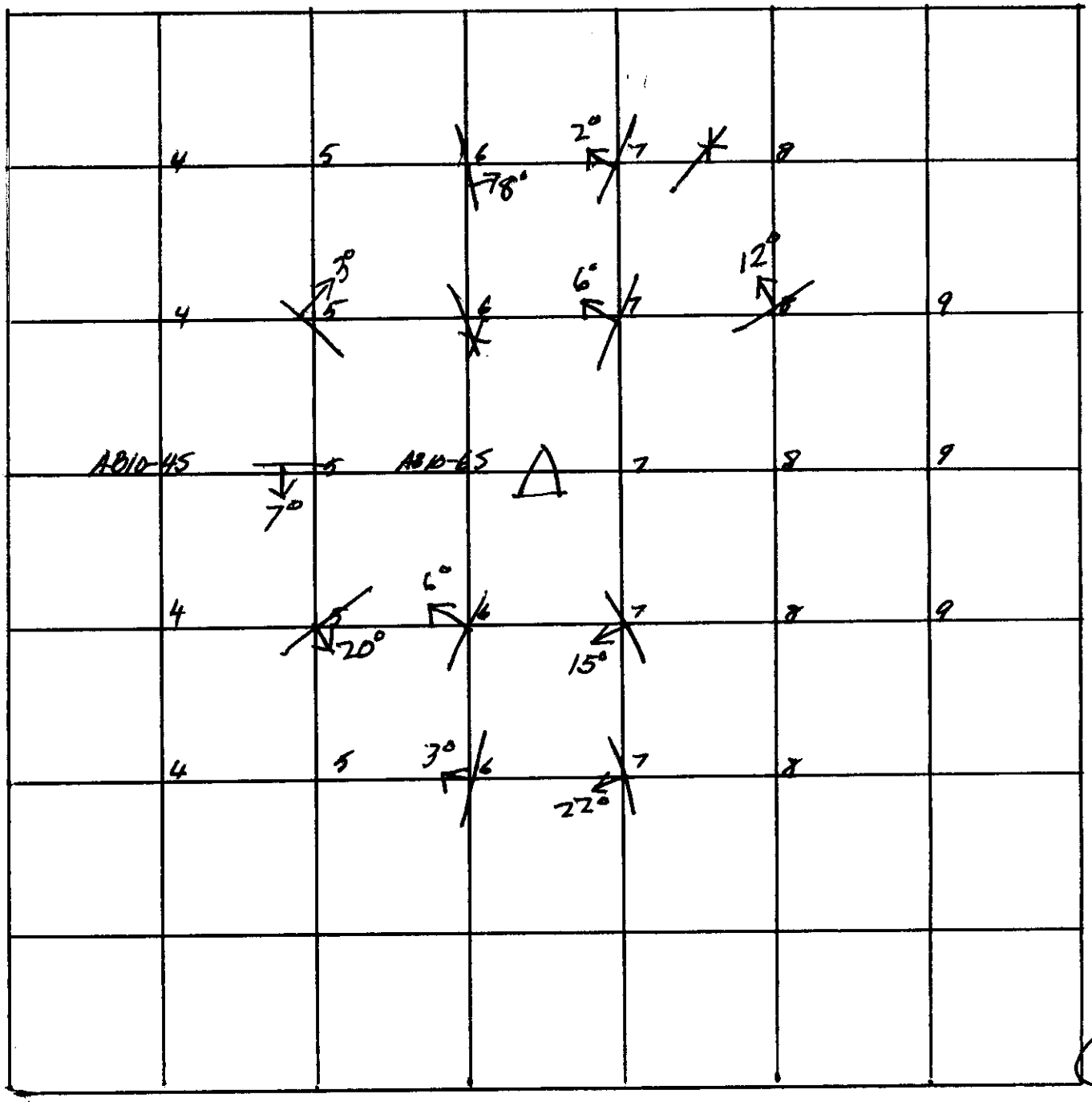
BY H.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

* = ZERO DIP

↓ 6° = DIP IN DEGREES



GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Meander

LOOP LOCATION AB10-9S

AMP 1.0

DATE May 6 1960

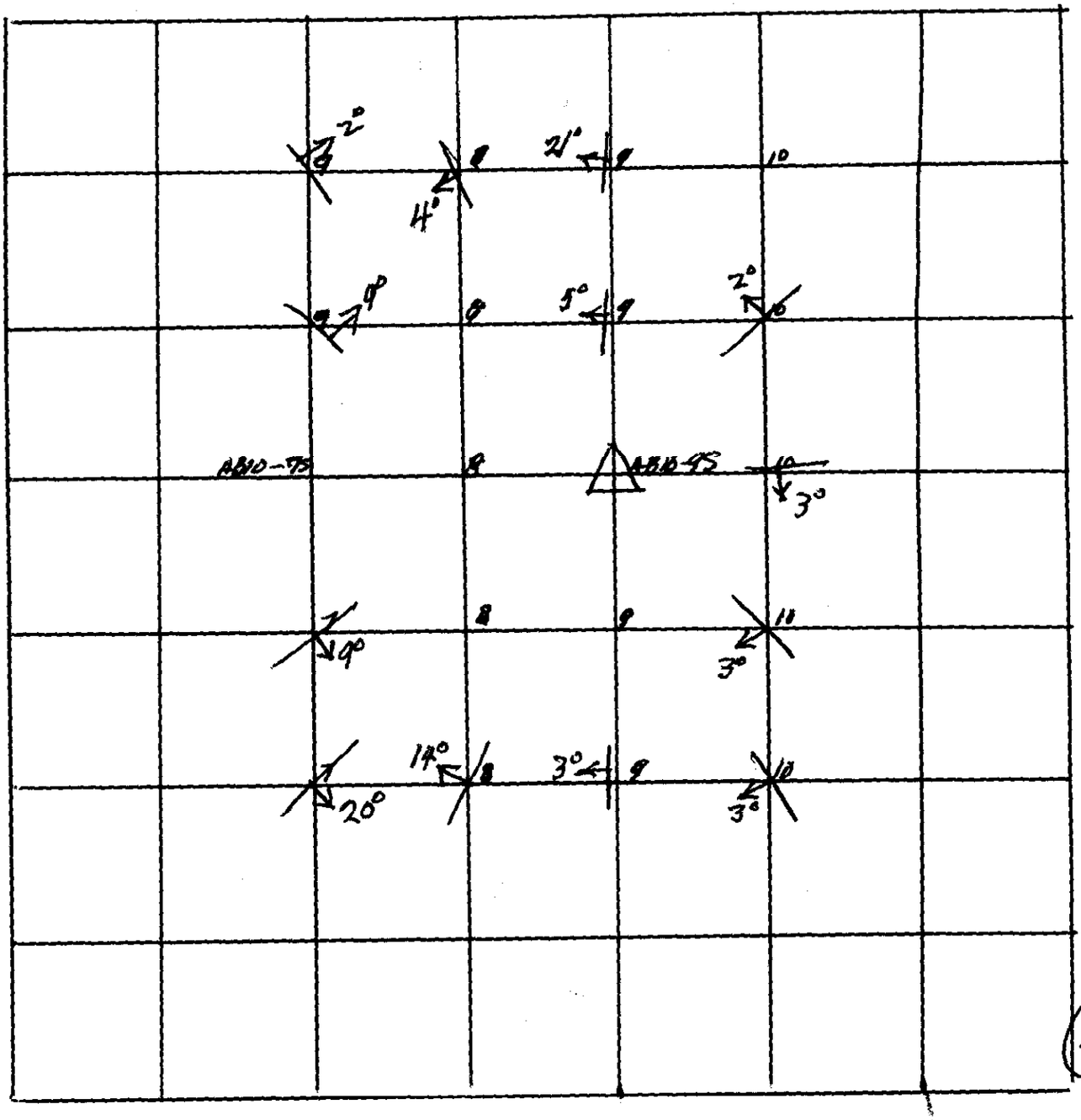
BY G.L.B. & M.B.

1"=100' HOR.
125' VERT.

Δ = loop location

× = ZERO DIP

↓ 6° = DIP IN DEGREES



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GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Mantle

LOOP LOCATION ABB-85

AMP 1.0

DATE May 6, 1960

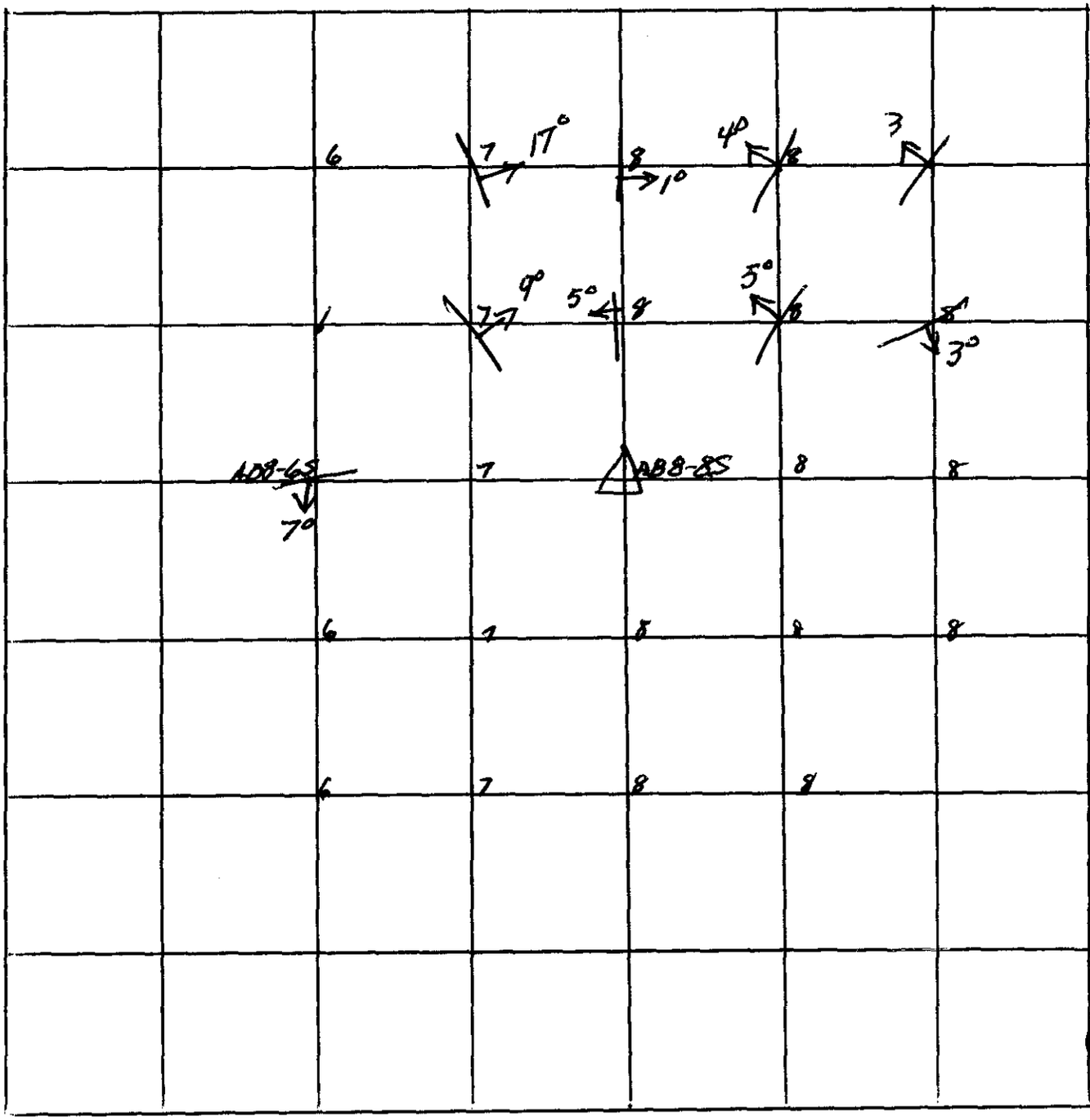
BY G.D. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

* = ZERO DIP

↓18 = DIP IN DEGREES



108

GEOPHYSICAL FIELD NOTES

CONTRACT N° Golden Mesa

LOOP LOCATION ABT-8+40S then 5B'W

AMP 1.0

DATE May 6 1960

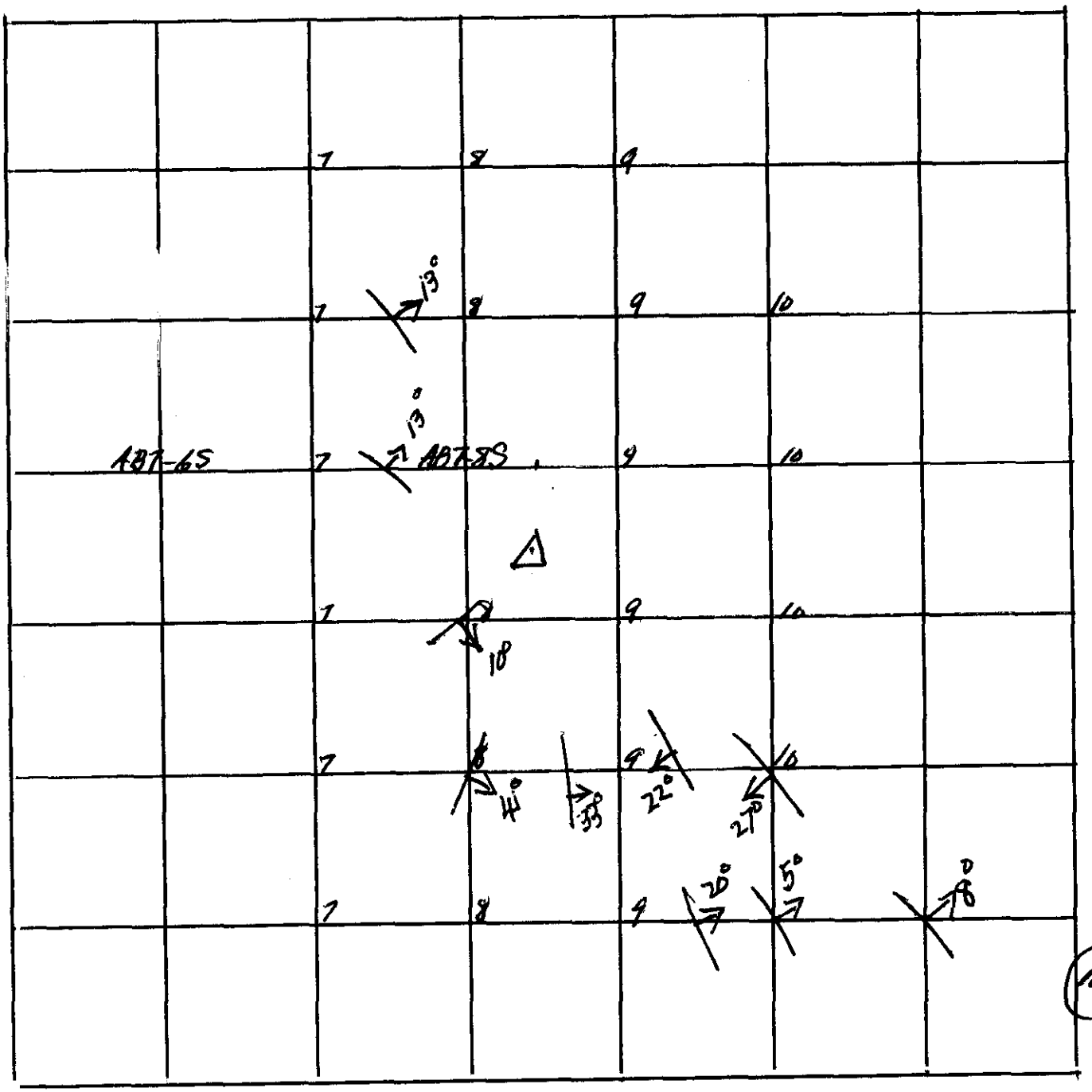
BY G.L.L. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location

× = ZERO DIP

$\overset{\uparrow}{\downarrow}_{6°}$ = DIP IN DEGREES



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GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Mile

LOOP LOCATION AB8-5+50S

AMP 1.0

DATE May 7 1980

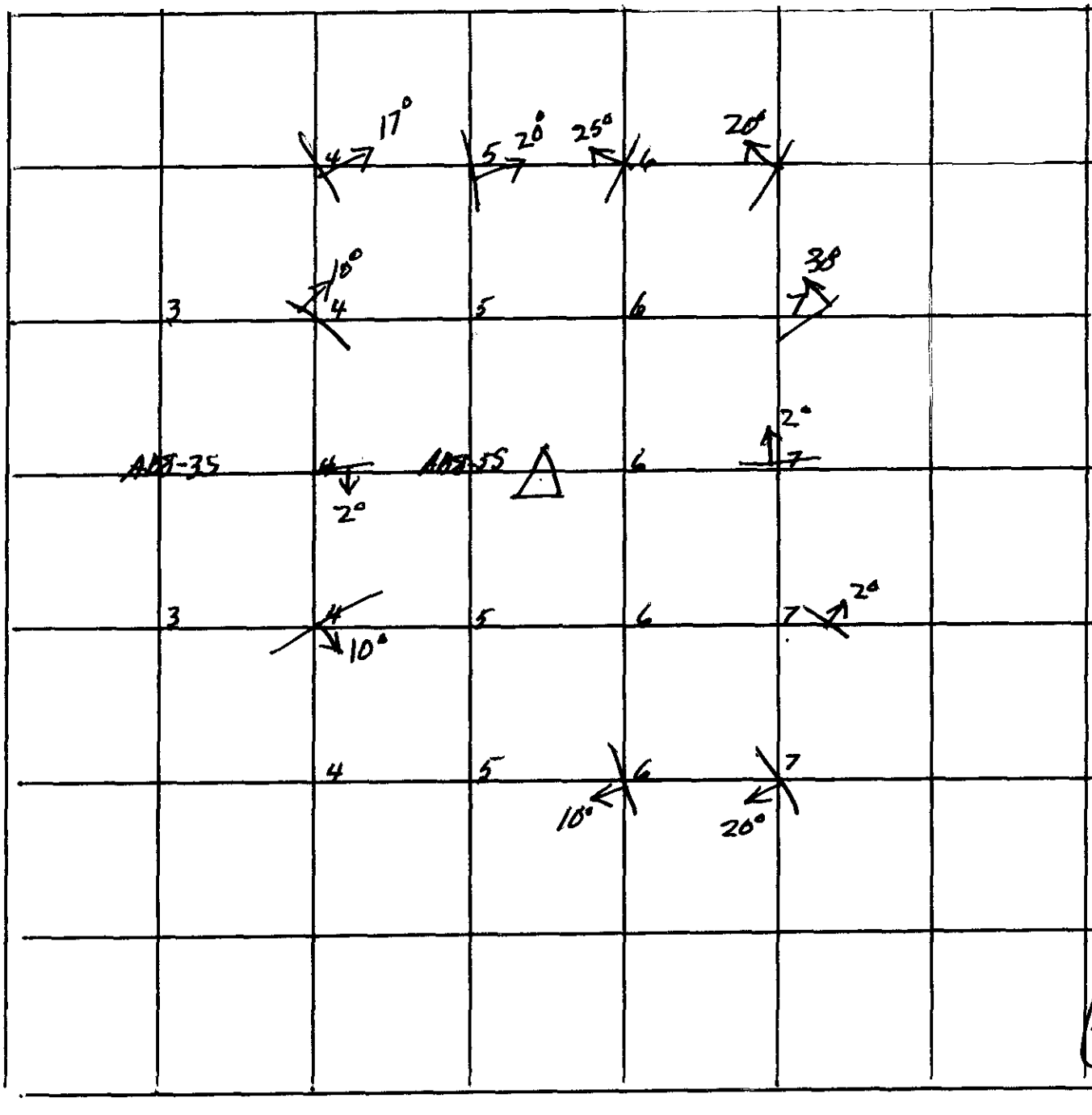
BY G.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

✳ = ZERO DIP

↓60° = DIP IN DEGREES



18

GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Mantle

LOOP LOCATION ABS-9S

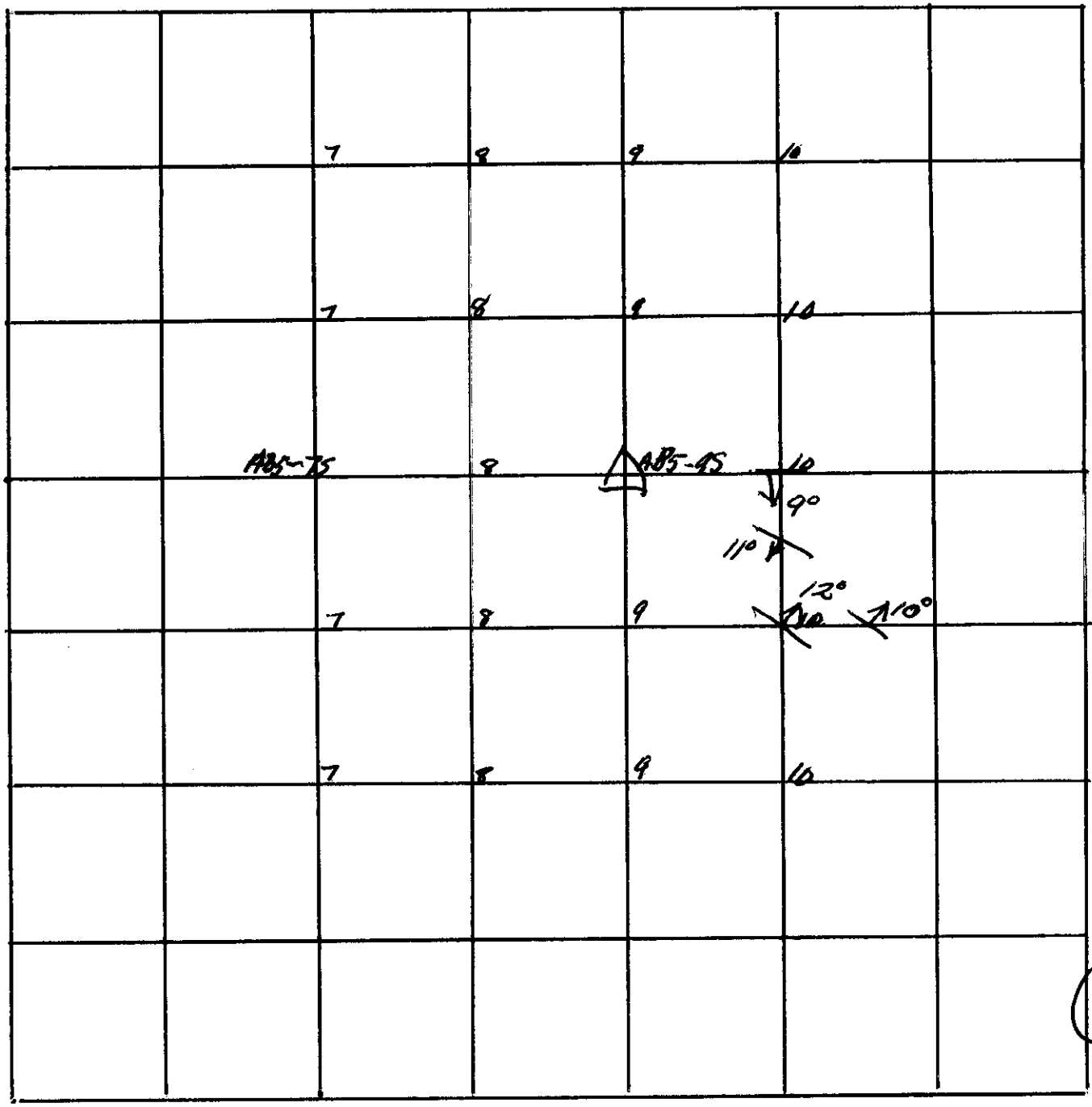
AMP 1.0

DATE May 7, 1960

BY G.H. & M.B.

1" = 100' HOR
125' VERT.

Δ = loop location
✕ = ZERO DIP
↓6° = DIP IN DEGREES



109

GEOPHYSICAL FIELD NOTES

CONTRACT Nº Sullivan Mountain

LOOP LOCATION AB4-6S

AMP 1.0

DATE May 7 & 9 1960

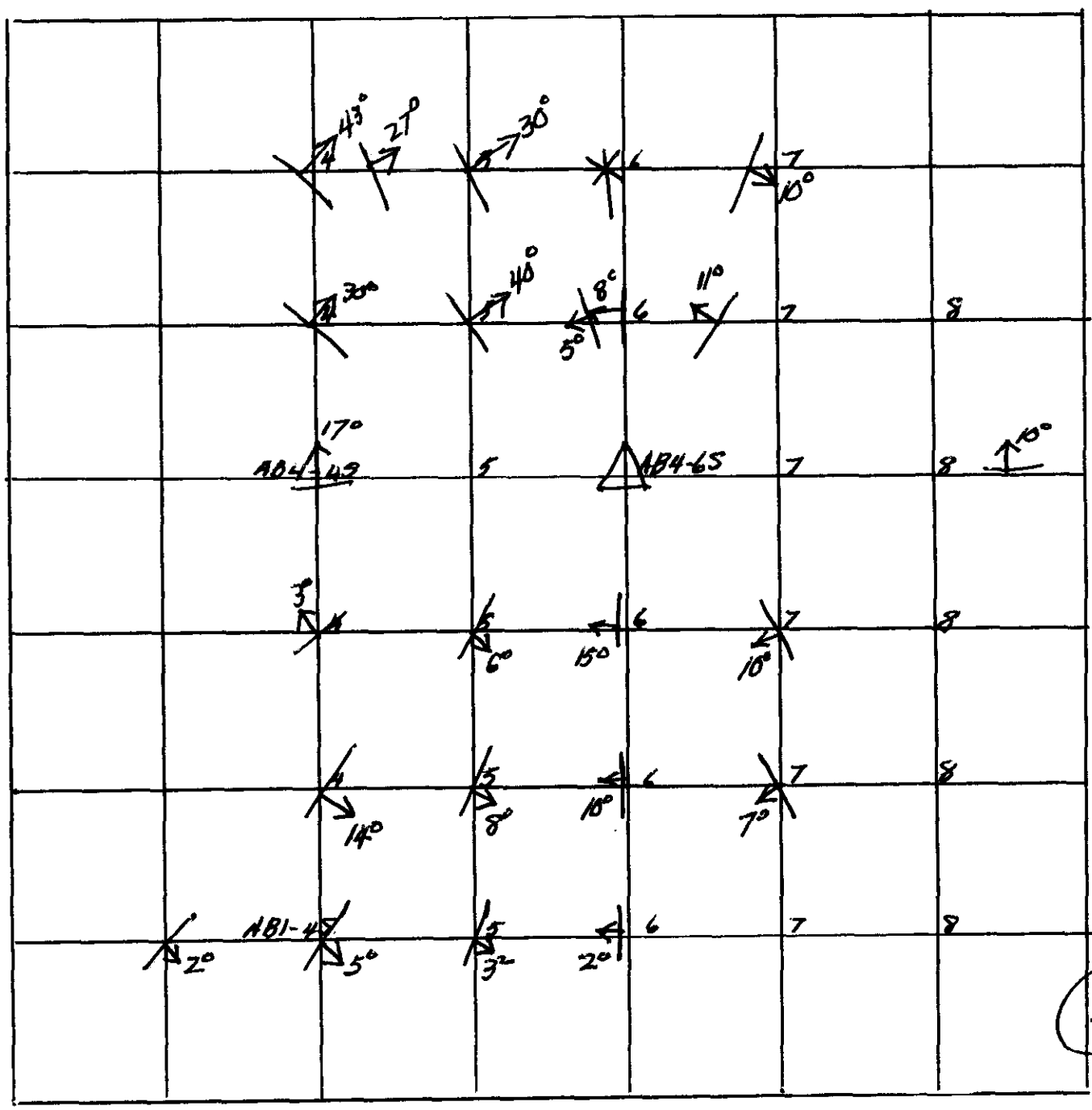
BY G.G.P. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location

+ = ZERO DIP

$\overset{\uparrow}{\underset{C°}{}}$ = DIP IN DEGREES



110

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GEOPHYSICAL FIELD NOTES

CONTRACT NO Golden Wonder

LOOP LOCATION S60E(mag) 30FT from AB1-5S = POINT #118

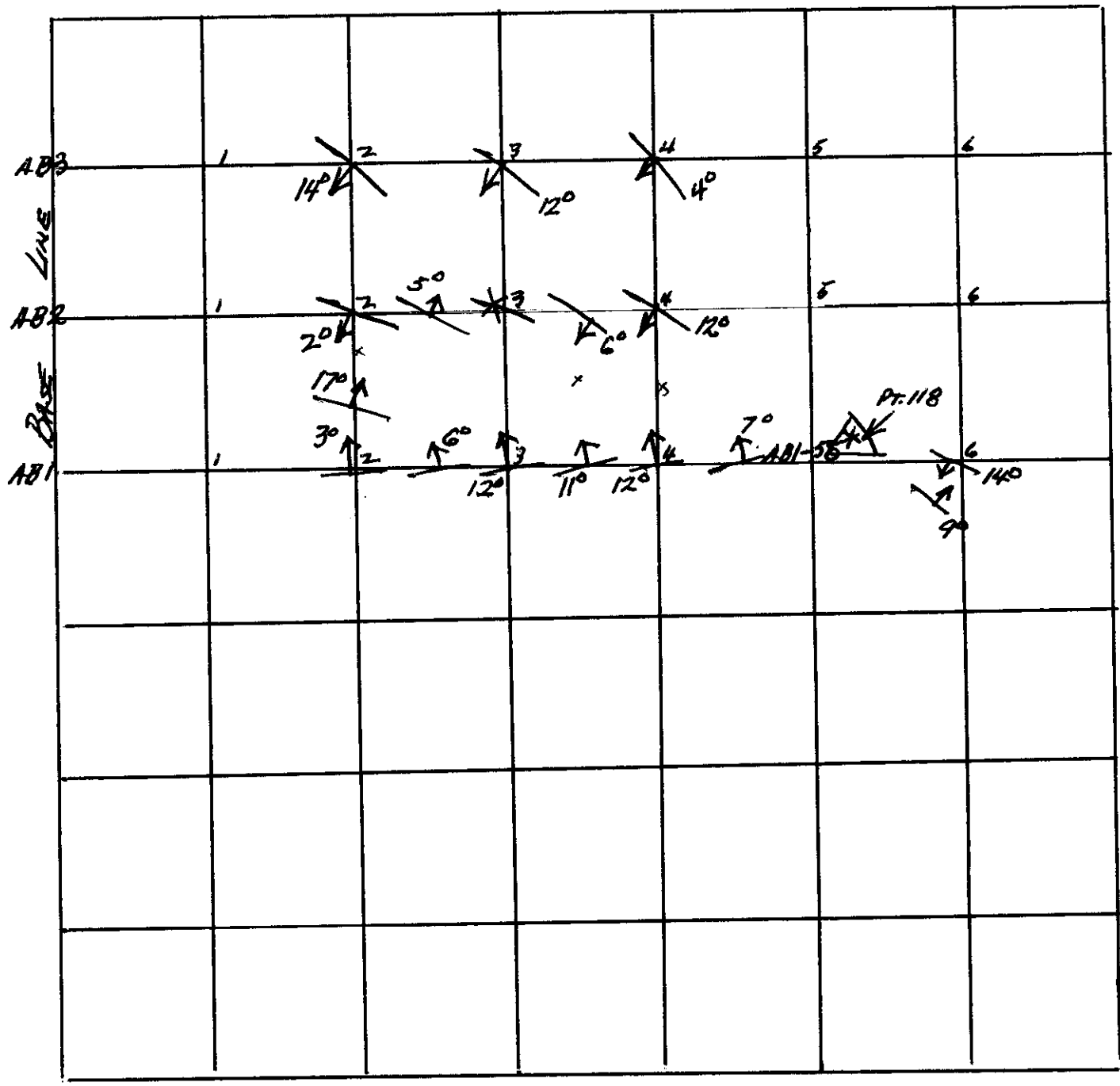
AMP 10

DATE May 7 1960

BY G.B. & M.B.

1" = 100' HOR.
125' VERT.

Δ = loop location
+ = ZERO DIP
↓6° = DIP IN DEGREES



(11)

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GEOPHYSICAL FIELD NOTES

CONTRACT Nº Golden Wonder

LOOP LOCATION AB1-3S + 50FT EAST.

AMP 1.0

DATE May 9, 1960

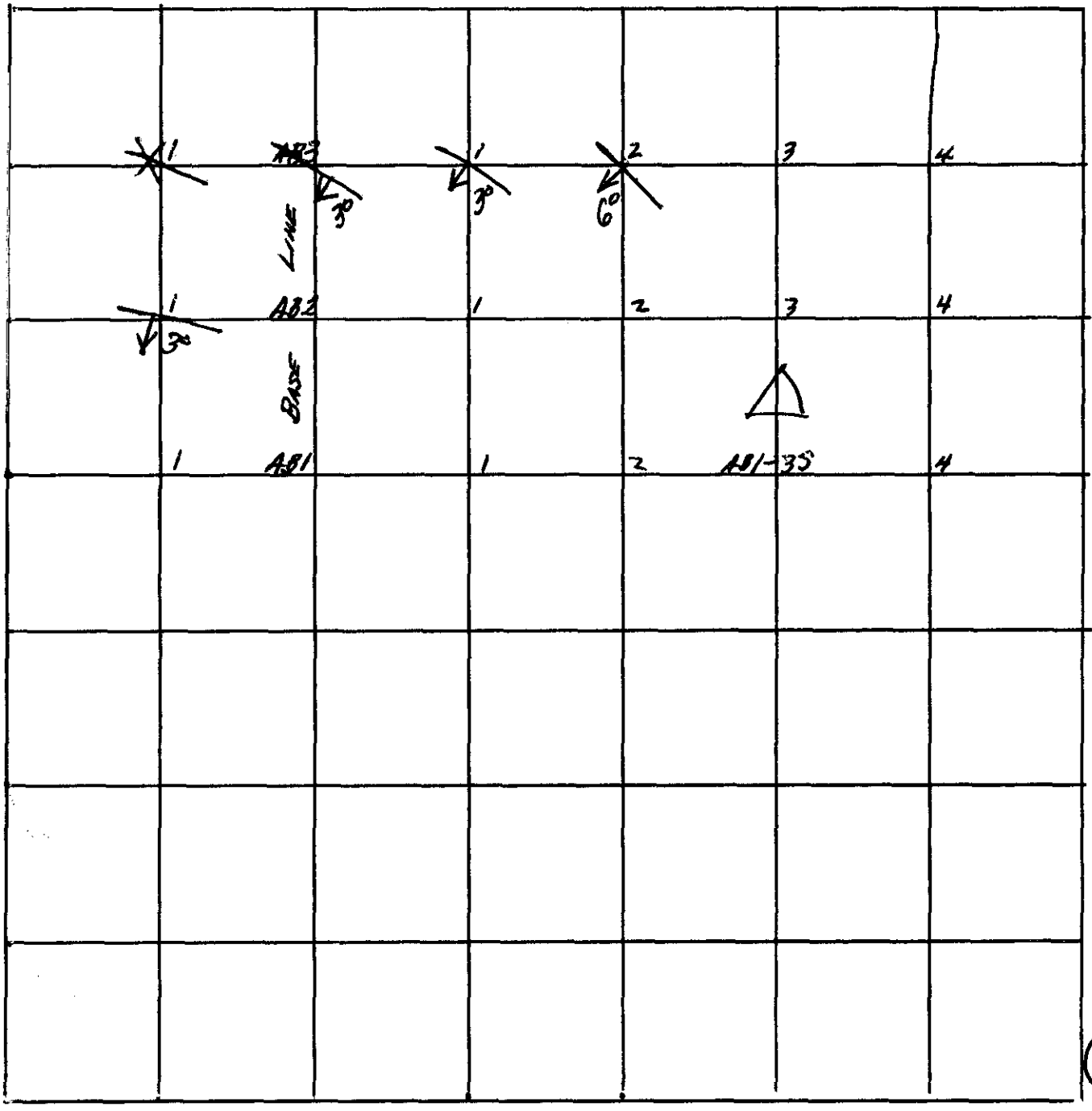
BY L.B. & M.B.

1" = 100' HOR.
125' VERT.

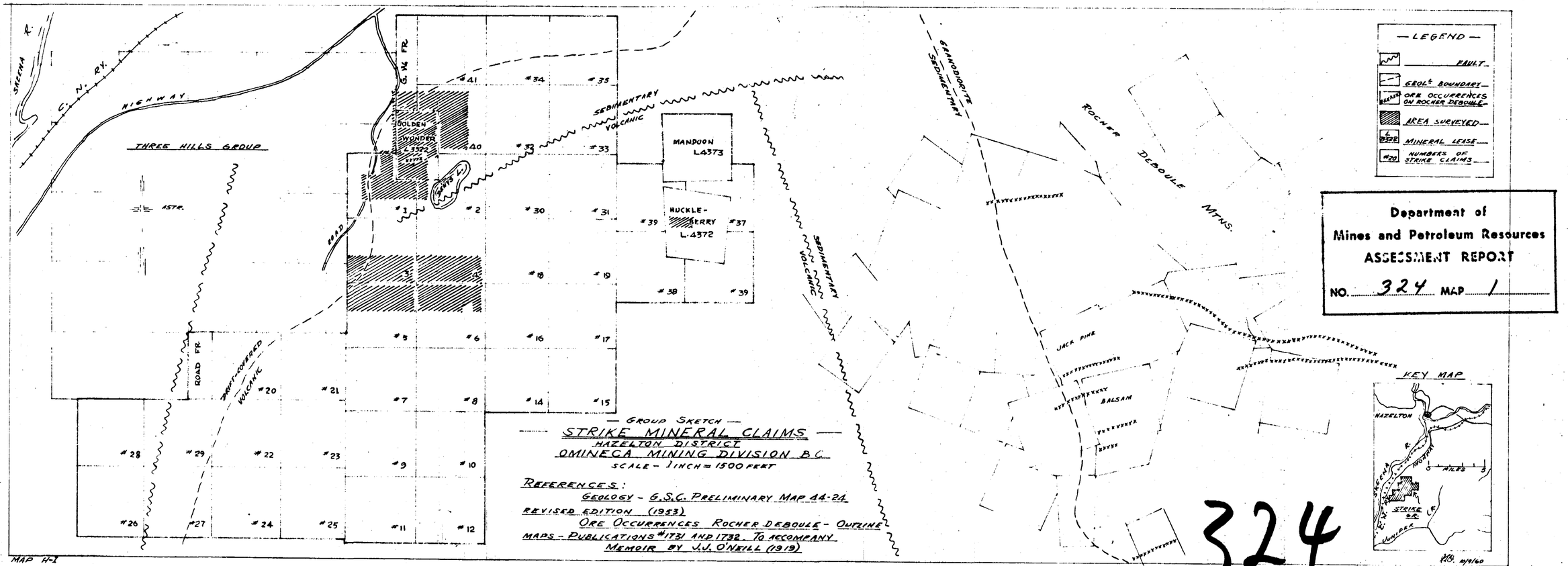
Δ = loop location

✳ = ZERO DIP

↓60 = DIP IN DEGREES



(1R)



— GROUP SKETCH —

STRIKE MINERAL CLAIMS

HAZELTON DISTRICT

OMINECA MINING DIVISION B.C.

SCALE - 1 INCH = 1500 FEET

REFERENCES:

GEOLOGY - G.S.C. PRELIMINARY MAP 44-24 REVISED EDITION (1953)

ORE OCCURRENCES ROCHER DEBOULE - OUTLINE MAPS - PUBLICATIONS #1731 AND 1732. TO ACCOMPANY MEMOIR BY J.J. O'NEILL (1919)

MAP H-1

Department of Mines and Petroleum Resources

ASSESSMENT REPORT

NO. 324 MAP 1

324

EXPERIMENTAL TEST
WITHOUT LINES

STRIKE 39 STRIKE 37
STRIKE 38 STRIKE 36

HUCKLEBERRY
LOT 4372

SEE MAP H-1 FOR LOCATION

SCALE 1"=200 FT

1/4 MILE TO PRINCE RUPERT HIGHWAY
1 MILE TO C.N. RY.

S.W. TRAC.

STRIKE #41
STRIKE #40

THREE HILLS #14
THREE HILLS #13

BASE LINE

GOLDEN WARRIOR SHAFT

ANOMALY 'A'
ANOMALY 'B'

DENYS LAKE

— LEGEND —

- ANOMALIES (FAIR STRENGTH) 110 111
- ANOMALIES (WEAK) 23
- READING STATIONS ON LINES
- FAULT
- CLAIM BOUNDARIES
- CLAIM POSTS
- SHAFT
- TRUCK ROAD

CONTOURS APPROX. ELEVATION ABOVE JUNCTION OF TRUCK ROAD AND PRINCE RUPERT HIGHWAY.

STRIKE #1 STRIKE #2
STRIKE #3 STRIKE #4

COMEAU'S RANCH

THREE HILLS #13
THREE HILLS #12

STRIKE #5
STRIKE #7

CONTOUR INTERVAL – 30 FT.

BASE LINE

GEOPHYSICAL SURVEY
ELECTROMAGNETIC INDUCTIVE METHOD

STRIKE AND RIDGE GROUPS
HAZELTON 55° 127° SW

CASSIAR LAND DISTRICT
OMINECA MINING DIVISION
BRITISH COLUMBIA

REFERENCE: RE FAULT
GEOLOGICAL SURVEY OF CANADA – PRELIMINARY MAP 44-24 REVISED EDITION

SCALE 1 INCH = 200 FEET

MAP #H-2

SURVEY BY CHAIN AND BRUNTON COMPASS
DRAWN BY L.L. Cates OCTOBER 6 1960

324