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PROGRESS REPORT
July 23, 1972

C.E.D. JOINT VENTURE -
TINTINA-ANVIL PROJECT

DYNASTY EXPLORATIONS LIMITED

TELEPHONE 685-4331

DYNASTY EXPLORATIONS LIMITED

330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B.C.

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C.E.D. JOINT VENTURE - TINTINA ANVIL PROJECT

Attention: - Midwest Oil Production, Ltd.,
- General Crude Oil Company
- Aquitaine Company of Canada Limited

SUMMARY

All geophysical 'fill-in' work has been completed on the Capa-Delta-Echo Grid. Five diamond drill targets have been spotted within the western portion of the property. Additional targets within the eastern sector of the property will not be finalized until completion of the gravity survey interpretation in that area. A diamond drill, drill camp and crew have been mobilized to the property, drilling is expected to commence during the week of July 23rd.

PERSONNEL

Party Chief	-	Wayne Roberts
Geologist	-	Peter Vickie (Midwest representative)
Field Assistants	-	Brian Prochnicki
	-	Glen Sargeant
Cook	-	George Gray
Contract Gravity Crew	-	Airborne Geophysical Surveys Ltd.,
		- Surveyor - Bill Chem
		- Surveyors Helper - Walter Etzel
		- Meter man - Doug Slater

During the course of the drill program, Roberts and Vickie will be resident on the property. The drill contractor has provided a seven-man crew for the job.

PROPOSED DIAMOND DRILLING

All gravity anomalies will be drill tested as well as well defined electromagnetic-magnetic coincidences. Model studies

for gravity response over a flat-lying slab have revealed the following:

Density of slab - sulphides	3.6
Density of country rock-phyllite	2.7
Density contrast	.9
Width of slab	1000 feet
Thickness	100 feet

If 100 feet to top = 1.16 milligals
200 feet to top = 0.99 milligals
400 feet to top = .75 milligals

With respect to this information, all gravity anomalies in excess of 0.5 milligals will be drill tested. All calculations of causative structures have been based on a .9 density contrast.

Compilation maps of geophysical targets have been prepared, field copies are included with this report.

D.D.H. 72-1
- Moose Lake Grid - Line 88W, Station 3S
- Proposed Depth - 400 feet plus
- Vertical (-90°)
- Target - 0.6 milligal residual gravity
  - weak C.E.M. conductor
  - 20 gamma vertical field profile

The main feature of this target is a 0.6 milligal residual gravity anomaly, calculated to be caused by a flat-lying structure 60 feet thick, at a depth to top of 320 feet. This mass is on strike with an A.E.M. conductor (EM_2 and EM_3) as well as a ground C.E.M. conductor. With the instrumentation used for the E.M. surveys, conductivity response from depths in excess of 300 feet might be limited. A geochemical anomaly in silts was obtained during the course of a lakeshore silt sampling program immediately south of the gravity anomaly on the north shore of Moose Lake.

Rock type is probably unit (3a) lower phyllite, nearest outcrop is about 2500 feet southwest of the target area.

D.D.H. 72-2
- Nasty Grid - Line 72W, Station 12S
- Proposed depth - 300 feet plus
- Vertical (-90°)
- Target - 0.9 milligal residual gravity
  - C.E.M. conductor
  - broad vertical field .40 gamma profile

D.D.H. 72-2 (Cont'd.)

The target is primarily a gravity anomaly, thought to be caused by a southerly-dipping slab, 100 feet thick, its near surface top being about 180 feet from surface. The strong out-phase response from the C.E.M. survey confirms this interpretation. The target area is flanked by an H.E.M. conductor (EM_1), which because of airborne plotting error, could be coincident with the ground geophysical targets.

The closest rock type is found as floats of (3a) lower phyllite. From gross geophysical-geological regional interpretations, this area is close to the unit (3a), (3b) contact and, in fact, the geophysical anomalies could be an expression of such a fault-contact relationship.

D.D.H. 72-3

- Nasty Grid, Line 104W, Station 8N
- Proposed depth - 500 feet
- Vertical (-90^{o})
- Target - 0.5 milligal residual gravity
  - 150 gamma vertical field profile
  - aeromagnetic expression

This target represents a well-defined gravity-magnetic anomaly coincidence. The causative structure is estimated to be of shallow northerly dip, 35 feet thick and at a depth of 390 feet. The target area is related to a belt of magnetic anomalies which are in turn expressions of the Nasty antiform which was drill tested further to the east in 1965, pyrrhotite and minor galena were found in one hole (NRH 1).

Nearest outcrop is unit (3b), middle member phyllite, which at this target location could be thinly overlying Unit 3a.

D.D.H. 72-4

- Echo Grid, Line 130W, or
  Nasty Grid Line 132W, 9S
- Proposed depth - 600 feet plus
- Vertical (-90^{o})
- Target - broad 0.5 milligal residual gravity
  - C.E.M. conductor

The final location of this hole, proposed to test a deep-seated residual gravity anomaly, will depend on interpretation of recently completed 'fill-in' magnetic and electromagnetic survey coverage. The gravity anomaly has been calculated to be due to a 50 foot thick slab at a depth of 560 feet.

D.D.H. 72-4 (Cont'd.) The area is close to two aeromagnetic anomalies, MN5 and MN6, the locations of which will be confirmed by the ground mag. survey.

Rock type is probably (3b) middle member phyllite, which is thought to be overlying (3a) in this area.

D.D.H. 72-5
- Delta Grid, Line 108N, Station 40E
- Proposed depth - 500 feet plus
- Vertical (-90°)
- Target - strong C.E.M. conductor, coincident with Cu geochem in soils, flanked by weak magnetic anomaly.

The main target is a strong conductor, no gravity coverage was completed in this area.

Rock type is probably Unit (3c), upper phyllite. The area to be drilled is one of poor exposure, the drill hole will also serve to provide much needed geological information in this area.

BUDGET

To date the program is within budget for work completed.

Respectfully submitted,

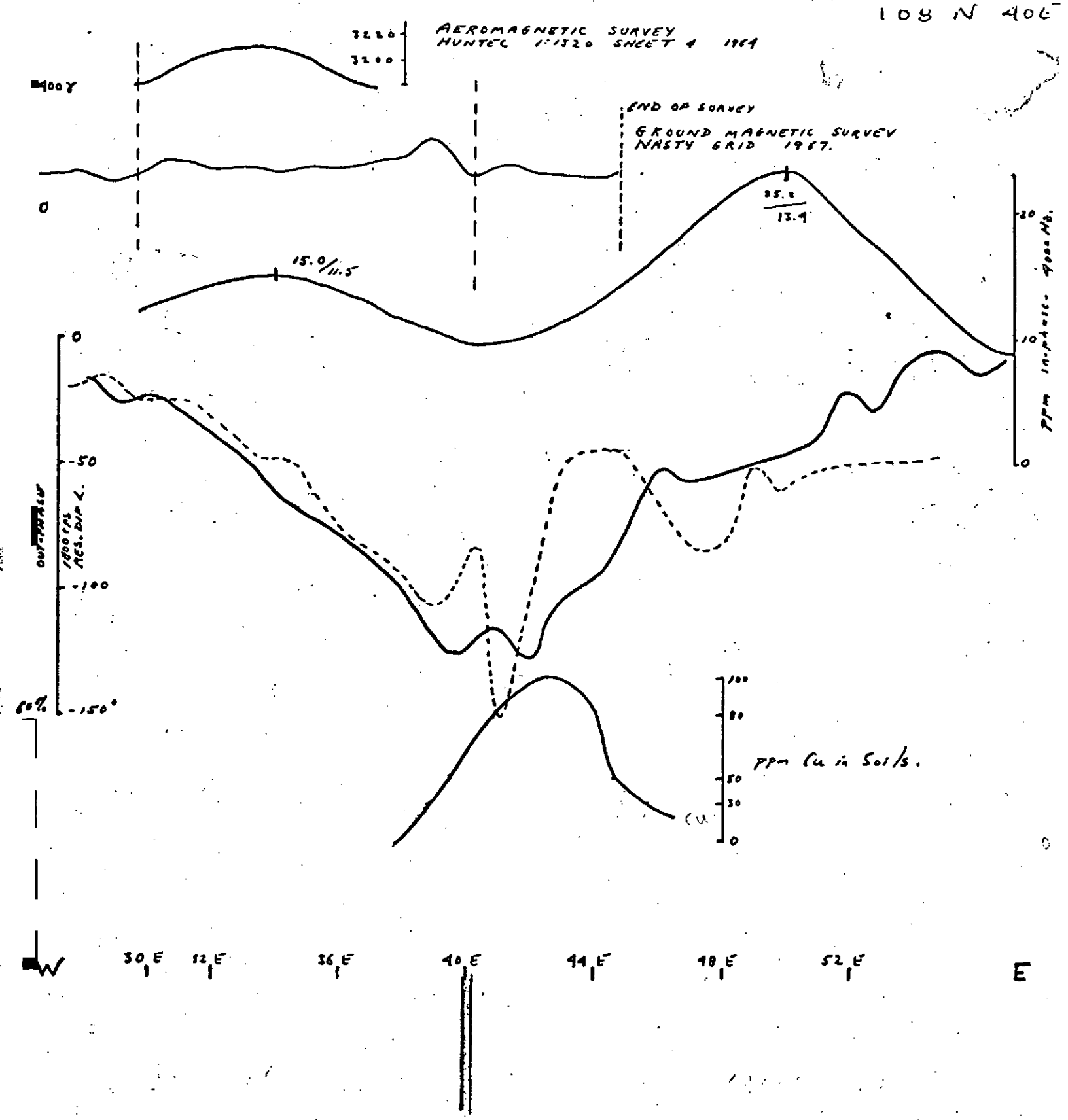
J. S. Brock,

July 24, 1972

CAPA-DELTA-ECHO CLAIMS.

DDH 72-5

LOC. DELTA GRID
108 N 40E

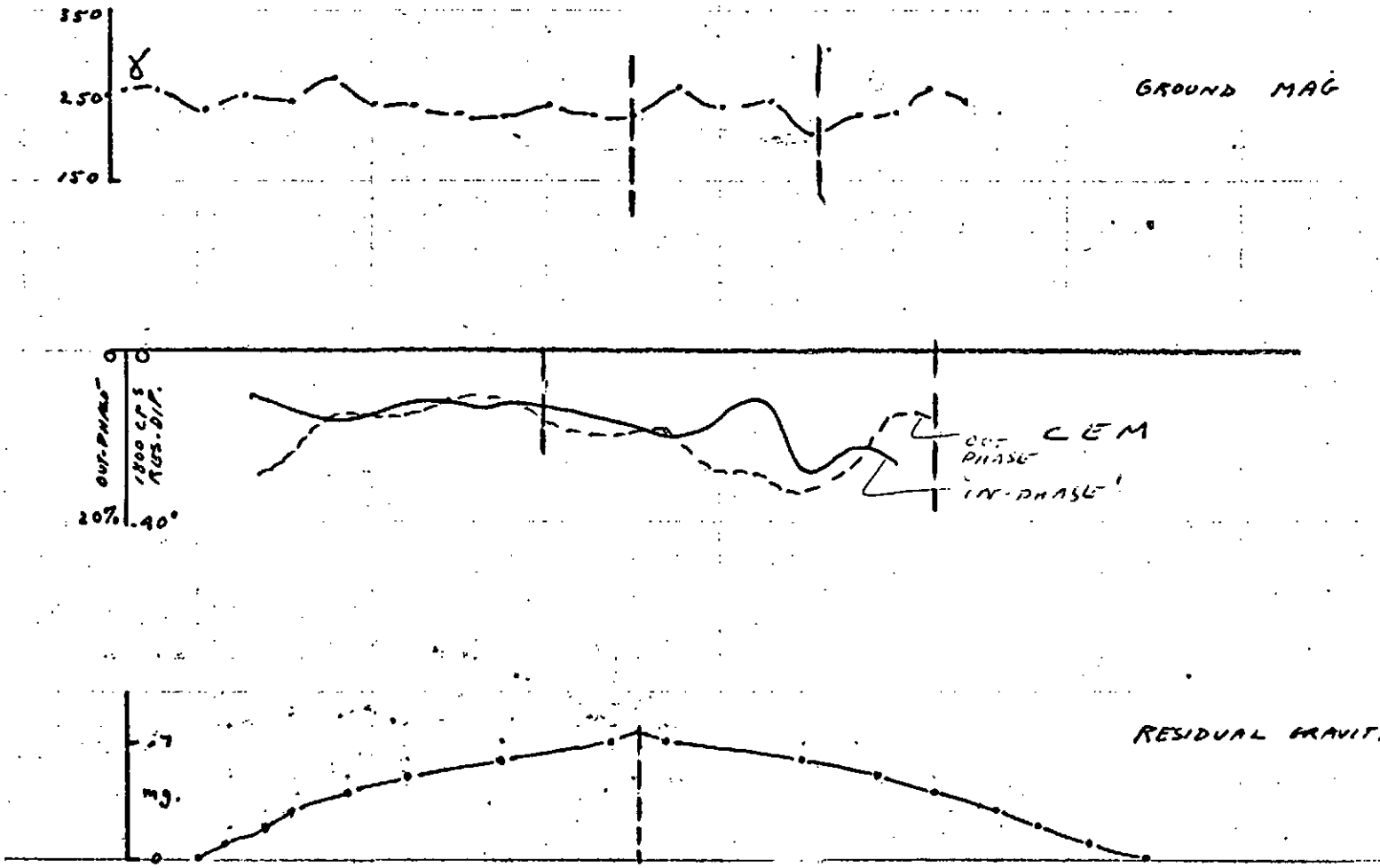


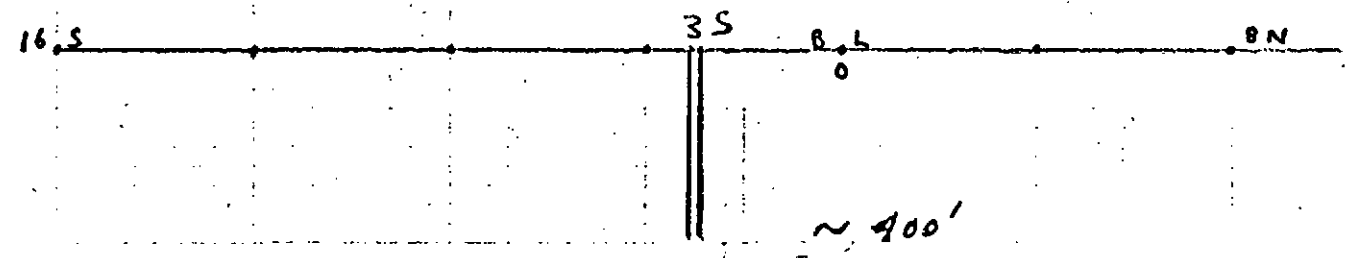
DELTA 108 N

CAPA - DELTA - ECHO
CLAIMS

D.D.H 72-1

LOCATION MOOSE GRID L. 88W
3S



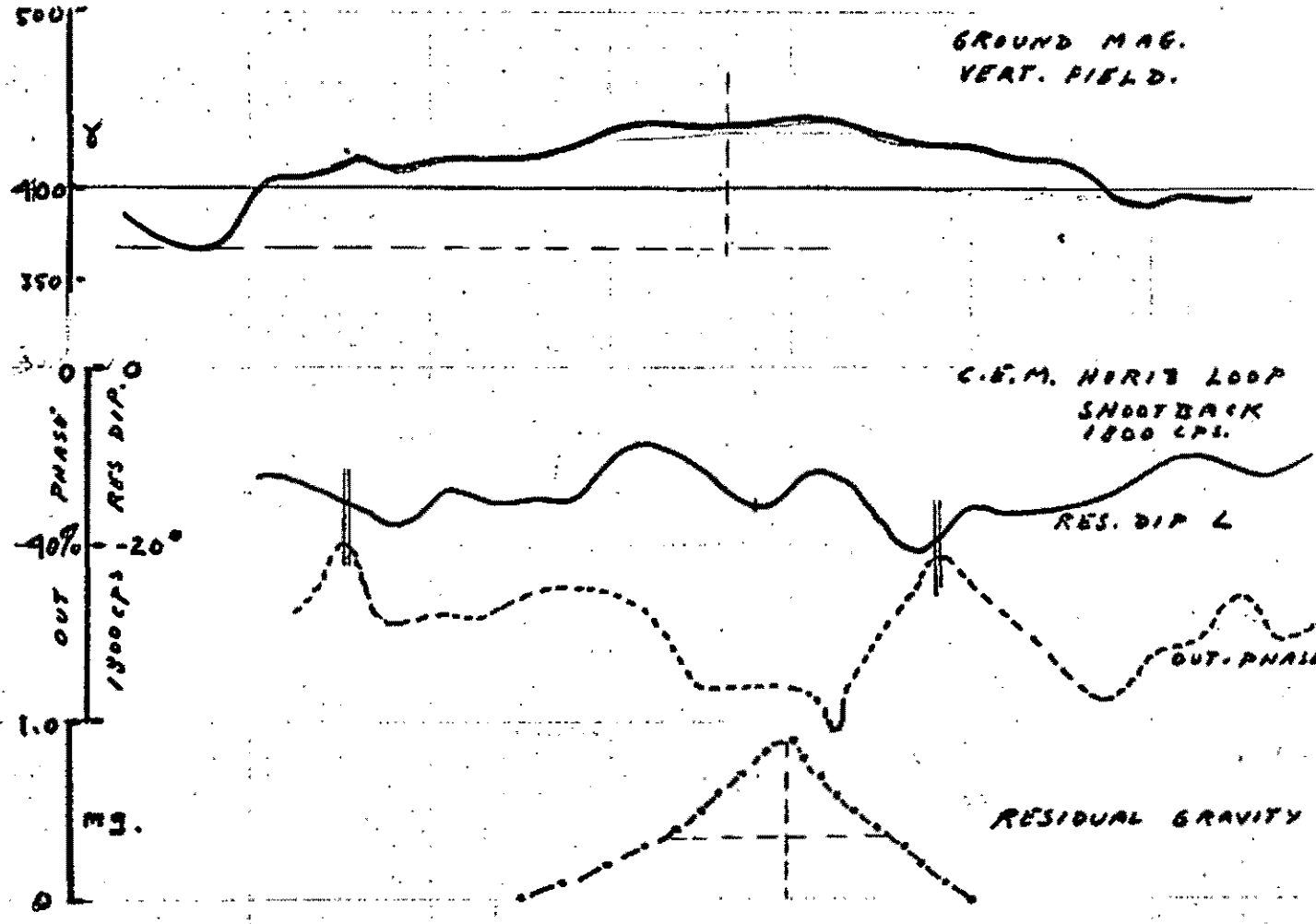


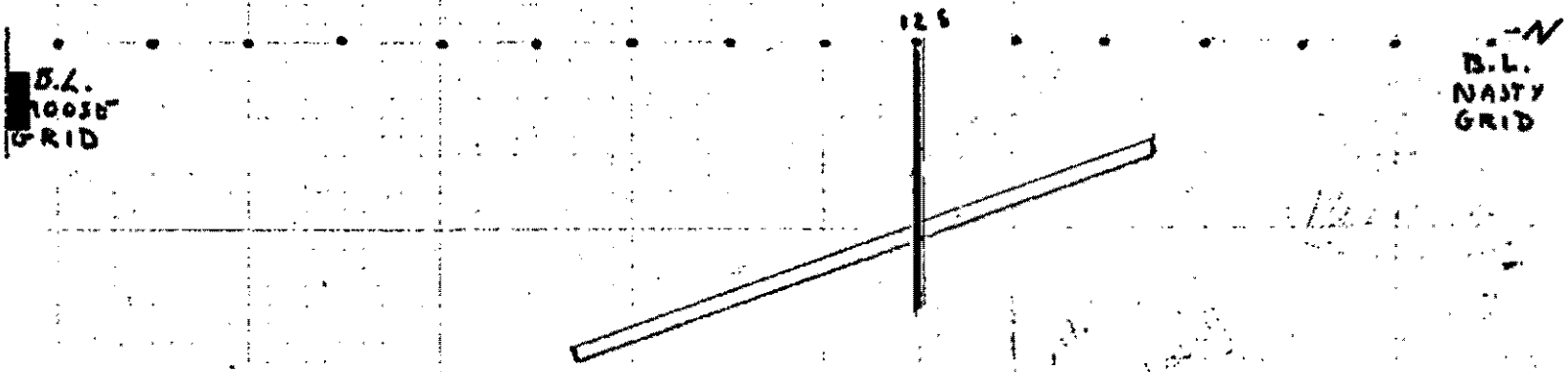
~ 400'

CAPA · DELTA · ECHO
CLAIMS

LOC.

D.D.H. 72-2
NASTY GRID L. 72 W
12 S

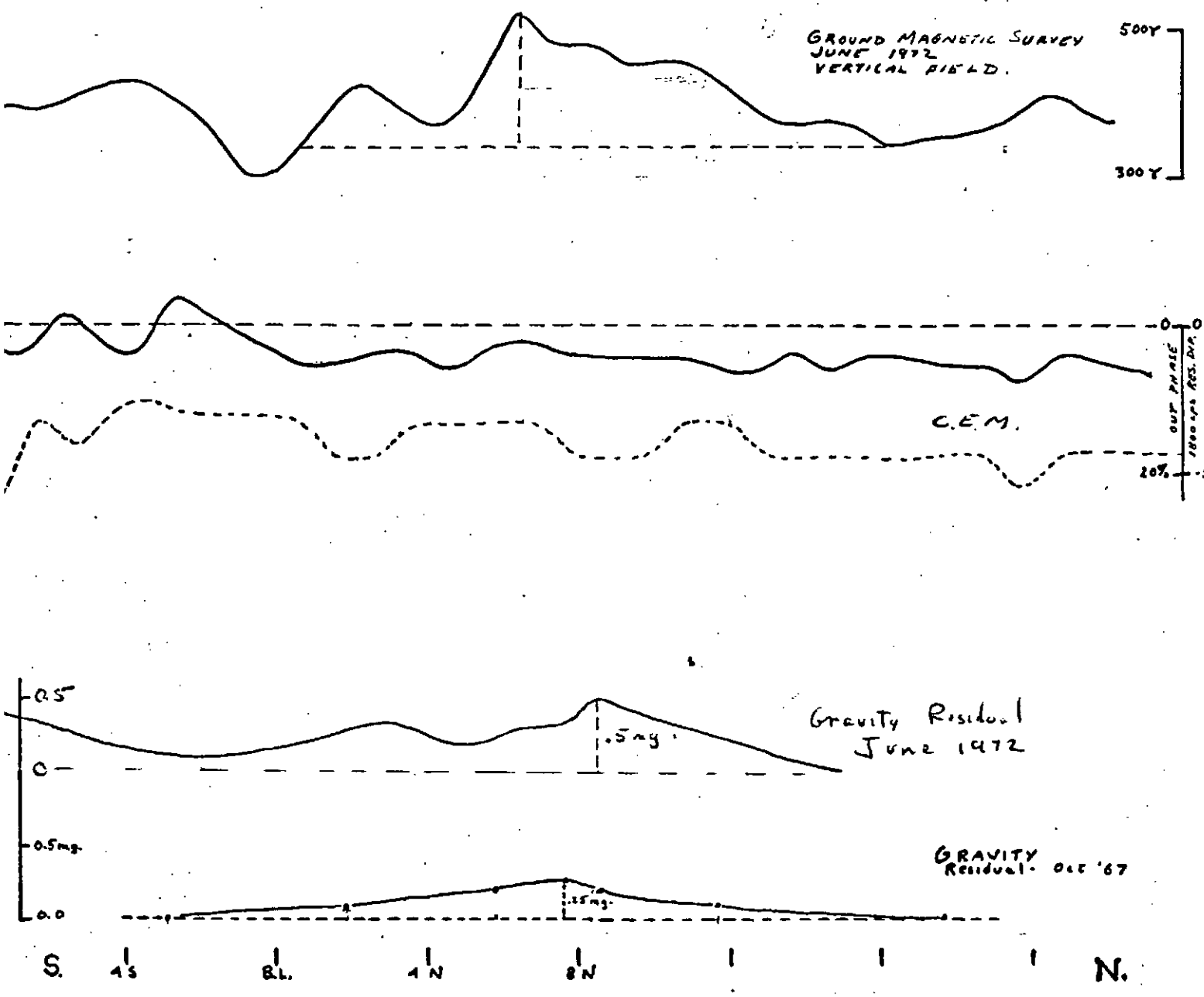




CAPA - DELTA - ECHO
CLAIMS

DDH 72-3

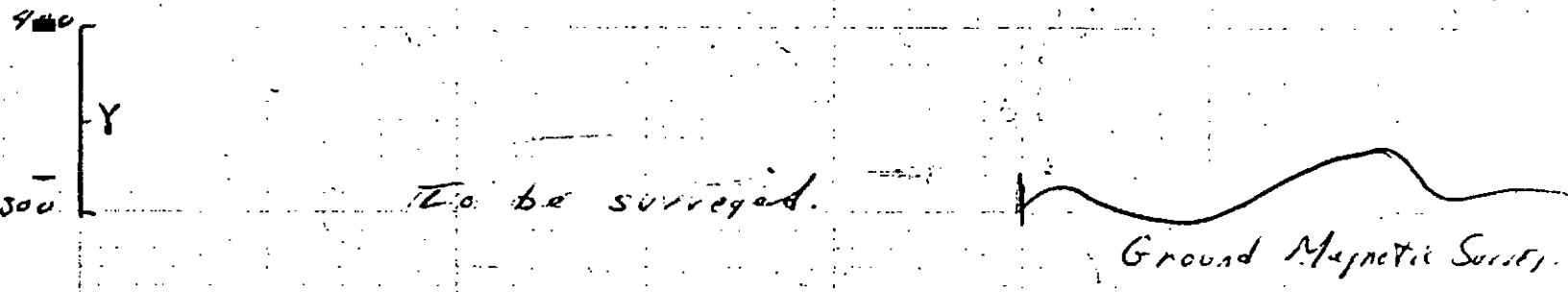
LOC. NASTY GRID L 104 W
8 N

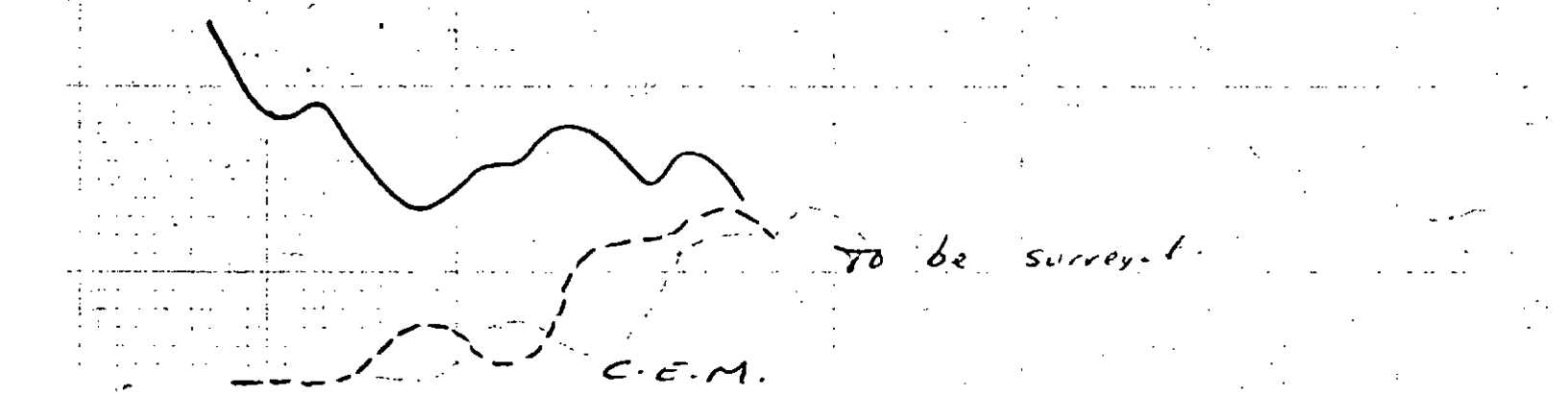


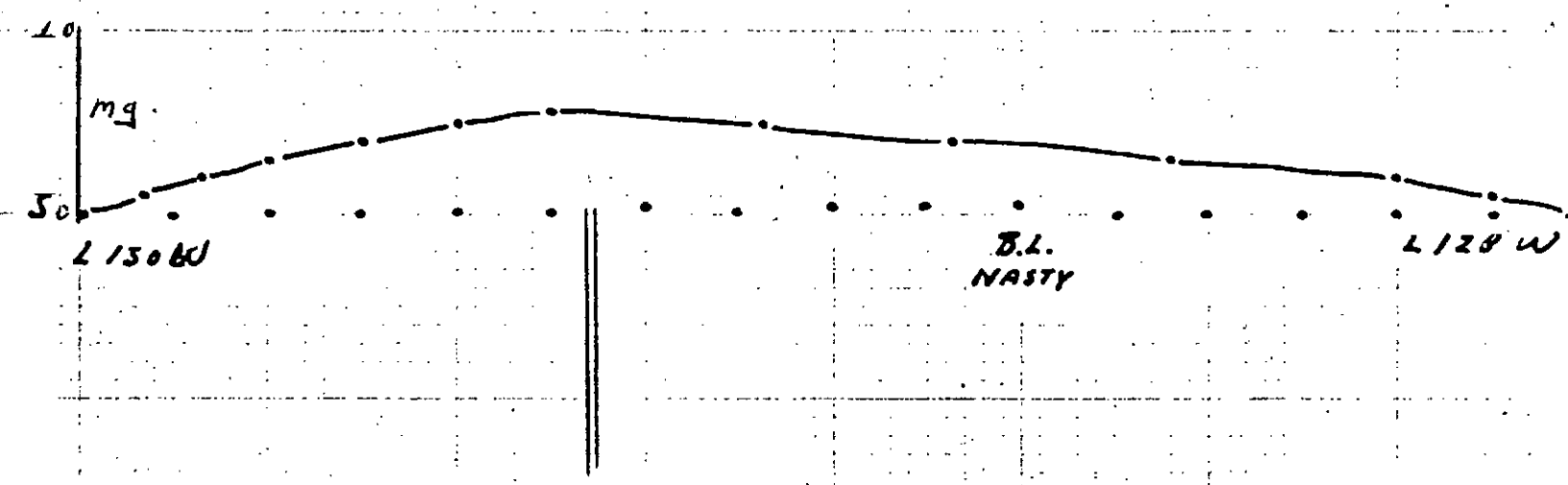
ECHO - NASTY GRID L 104 W.

CAPA - DELTA - ECHO
CLAIMS.

DDH 72-4
LOC. NASTY GRID.
L. 132 W
9 S







CAPA	GRAVITY	CUB 1965	CONTOUR
	MAG	CUB 1965	MAG CONTOUR
	CEM	CAPA 1971	CEM CONTOUR
ECHO	GRAVITY	ANVIL 1967	PROFILES, RESID. & CONTOUR
		DYMATY 1972	RESID.
	MAG	ECHO 1971	PROFILES
		ECHO 1972	PROFILES
	CEM	ECHO 1971	CONTOUR
DELTA	CEM	DELTA 1971	CONTOUR
	MAG	HABYTIME	PROFILE

NOT PLOTTED

TINTINA - ANVIL PROJECT
CAPA - DELTA - ECHO GROUP
GROUND GEOPHYSICAL COMPILATION

- MAGNETIC CLOSURE
- MAGNETIC ANOMALY (gammas)
- GRAVITY ANOMALY (milligals)
- CEM CONDUCTOR
  - CONDUCTOR OUTLINE
  - CONDUCTOR PEAK
- 72-1 Proposed DDH

FIELD PROVISIONAL COMPILATION ONLY
REVISED JUNE 20, 1972

J.S.B.

Inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original image. It will assist in the proper scaling of the image so that it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

1000 500 0 1000 2000 3000 4000 FT.

DYNASTY EXPLORATIONS

CAPA-DELTA-ECHO CLAIMS

GEOLOGY: OUTCROP MAP

Geology by W. Roberts & P. Dean - 1971, 1972

CRETACEOUS	11	Anvil Batholith granodiorite to qtz monzonite
LOWER CAMBRIAN?	3d	greenstone lenses
	3c	Ling phyllite
	3b	phyllite
	3a	quartzose phyllite
	2d	qtz-mica schist

NRH 1 ○ Previous Rotary

72-1 ◎ Proposed DDH

TINTINA - ANVIL PROJECT
CAPA - DELTA - ECHO GROUP
AIRBORNE GEOPHYSICAL COMPILATION

EE 1 EE 2 EE 3
EN 1 EN 2 EN 3
EM 1 EM 2 EM 3 EM 4
MN 1 MN 2 MN 3 MN 4 MN 5
MC 1 MC 2 MC 3 MC 4 MC 5
CE 1 CE 2 CE 3 CE 4
MD 1 ED 1 ED 2
72-1 72-2 72-3 72-4
NRH-1 CRH 1
BL 38

AEROMAGNETIC ANOMALY (gammas)
CONDUCTOR
CONDUCTOR OUTLINE
CONDUCTOR PEAK (4000 Hz) ppm prim. field
CRH1 Previous Rotary Holes
72-1 Proposed D.D.H 1972

FIELD COMPILATION ONLY
REVISED JUNE 20, 1972 J.S.B

inches 0 1 2
centimetres 0 1 2 3 4 5
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it is not necessarily a reference for the original size.
YUKON GEOLOGICAL SURVEY
0 500 1000 2000 3000 4000 5000 FT.