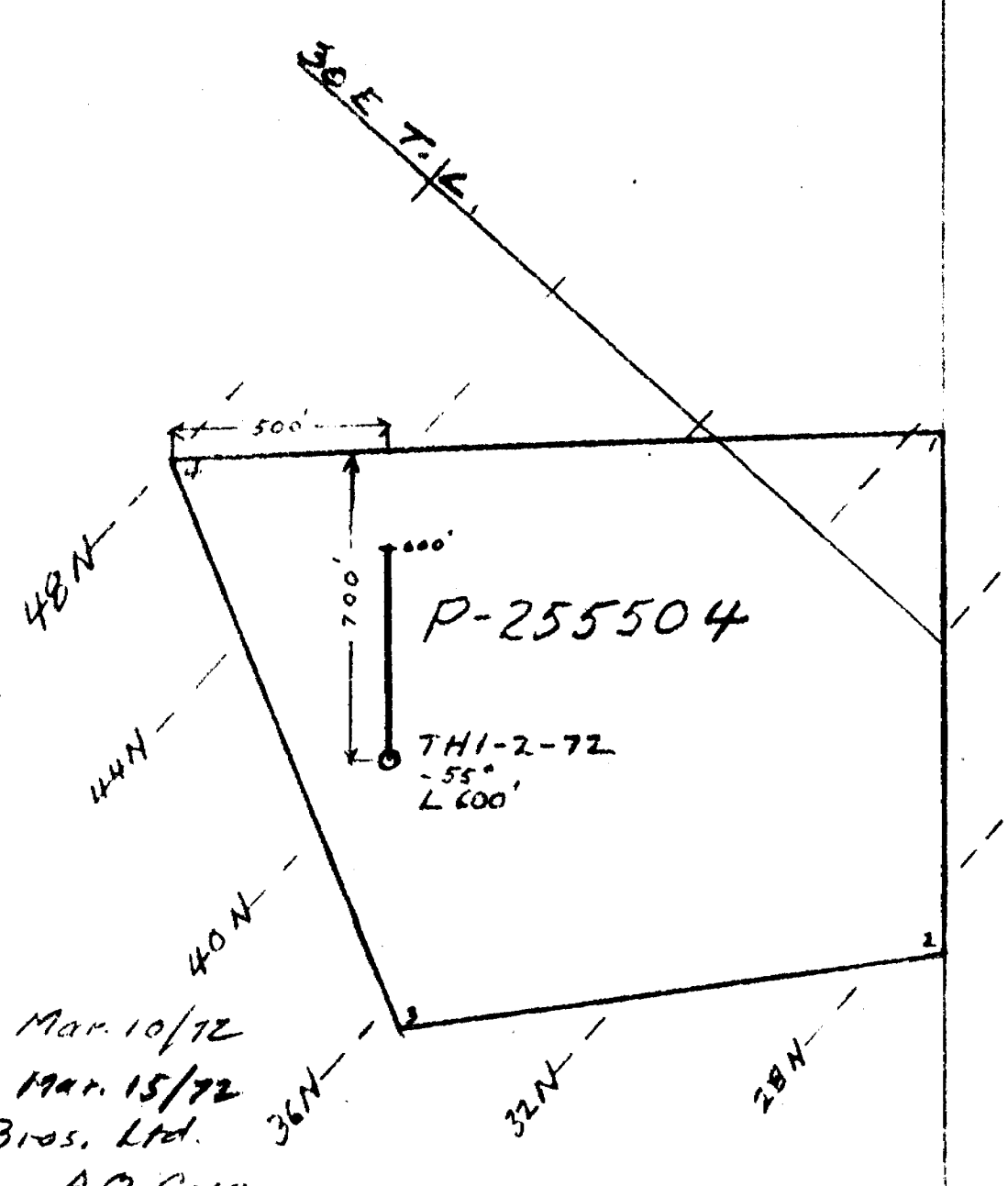
Diamond Drilling

Township OF THORBURN Report Nº: 20

Work performed by: HOLLINGER MINES

Claim Nº	Hole Nº	Footage	Date	Note
P.255504	TH1-2-72		Mar/72	(1)

Notes: (1) 64/72 (Geary)



Started- Mar. 10/72
Finished- Mar. 15/72
Bradley Bros. Ltd.
Wire Line - AQ Core

40N B.L.

PLAN OF DDH # TH1-2-72

THORBURN #1 GROUP THORBURN TWP.

Scale - 1" = 400'

W. H. Hansuld

Location of Collar from #4 - P-255504 East 500', South 700'

FORM S22

NORTH XL 40 N
EAST 20 + 00 E
ELEV. Surface
AZIM. 0°
DIP Collar @ 55°; @ 200' - 51.5°
@ 400' - 49.5°; @ 600' - 42°

DIAMOND DRILL REPORT

PROPERTY THORBURN #1 GROUP
Claim P-255504 Thorburn Township

HOLE NO. TH1-2-72
COMMENCED March 10, 1972
FINISHED March 15, 1972
PURPOSE OF HOLE Test magnetics
Drilled by: Bradley Bros.

FROM	TO	DESCRIPTION	CORE SAMPLES FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
0	100	Casing AXT - few granite boulders; around 80-100 few small boulders of ultrabasic as well.						
100	110	Casing - wireline - indicated as a boulder of ultrabasic.						
110	490.2	Ultrabasic - peridotite - fairly uniform dark grey to blue black in colour. Only occasionally can individual crystals of olivine be seen - usually the peridotite is rather fine grained with very massive sections. Magnesite locally gives a speckled appearance to the core. The peridotite is generally serpentinized, and there are also numerous serpentine stringers - some mixed with carbonate. In the CO_3 - serpentine stringers there is often a concentration of magnetite crystals, somewhat purplish tint. The peridotite is strongly magnetic. Very minor specks of po near the top of the hole. 252.6 - 264.5 ultrabasic - CO_3 phase (magnesite) still magnetic. Sim. 266.6 - 272.						

FORM S22
NORTH
EAST.
ELEV.
AZIM.
DIP

DIAMOND DRILL REPORT

PROPERTY THORBURN #1 GROUP
Thorburn Twp.

HOLE NO. TH1-2-72
COMMENCED
FINISHED
PURPOSE OF HOLE

FROM	TO	DESCRIPTION	CORE SAMPLES FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		Lot of broken core from 260-280						
		After 272 - return to blue black peridotite - increase in CO_3 content however.						
		Gradual increase in CO_3 content again around 335.						
		348.3 - 349 CO_3 and serpentine zone - broken core.						
		349 - 351.6 yellow-green zone of magnesite phase ultrabasic - exsolved magnetite blebs, minor pyrite.						
		After 351.6 the ultrabasic is the blue grey carbonate facies - still magnetic; around 425 there is a very high carbonate content - possibly the development of secondary magnesite - at any rate the rock begins to have blotchy patches of alteration: the main portion of the rock is greyish carbonate with irregular blobs of blue grey to blue black ultrabasic. At 440 the carbonate is more greenish and the blue black blobs have much more abrupt contacts giving the rock a highly spotted appearance. The blue black spots are approximately 1/4" in						

FORM S22
NORTH
EAST.
ELEV.
AZIM.
DIP

DIAMOND DRILL REPORT

PROPERTY THORBURN #1 GROUP
Thorburn Twp.

HOLE NO. TH1-2-72
COMMENCED
FINISHED
PURPOSE OF HOLE

FROM	TO	DESCRIPTION	CORE SAMPLES FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		diameter and are generally subrounded in shape - not as strongly magnetic. @ 450 the spotting disappears and the ultrabasic is in the carbonate facies as before - only dark green to grey green in colour. Locally numerous rosettes of CO_3 developed as is typical of most of the CO_3 phase ultrabasic. There are no serpentine stringers here - there was a general lack of serpentine stringers after 335 - throughout this whole CO_3 zone. This zone is very weakly to non-magnetic near the contact. @ 459 small qtz-CO_3 str. with cp. 473.3 - 474.6 rusty CO_3 zone - no sulphides however - ankerite.						
490.2	600	Uniform altered greywacke (possibly tuffaceous sediment). It is dark grey in colour with locally very small slaty pebbles. Carbonatized (calcite). Contact is a bit irregular @ 45°. Numerous graphitic slips. Sulphide content is very minor - only local blebs of py. Splash of cp @ 494.2. Some of the pyrite in qtz-CO_3 stringers, some with graphitic slips, some just as isolated blebs in core.						
	600	END OF HOLE.						

FORM 922
NORTH
EAST.
ELEV.
AZIM.
DIP

DIAMOND DRILL REPORT

PROPERTY THORBURN #1 GROUP
Thorburn Twp.

HOLE NO. TH1-2-72
COMMENCED
FINISHED
PURPOSE OF HOLE

FROM	TO	DESCRIPTION	CORE SAMPLES FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		GEOCHEMISTRY AND THIN SECTION						
TS. 7875	125	peridotite - minor po.						
7876	150	"						
TS. 7877	200	"						
7878	240	" w. serpentine						
TS. 7879	260	Ultrabasic - carbonate phase.						
7880	300	peridotite - + serpentine.						
7881	126	peridotite - po & mgt in serp. CO_3 str.						
TS. 7882	325	peridotite - weakly carbonatized.						
7883	350	magnesite (green) with mgt. py.						
TS. 7884	375	carbonatized ultrabasic.						
7885	400	ultrabasic - CO_3 facies.						
TS. 7886	425	" " "						
TS. 7887	450	" " " w. alteration spots.						
7888	475	" " " w. ankerite.						
7889	488	" " "						
7890	491	greywacke.						
TS. 7891	500	"						
TS. 7892	550	"						
TS. 7893	600	"						

Dave R. Alexander
HOLLINGER MINES LIMITED
TIMMINS, ONTARIO