

DIAMOND DRILLING



010

AREA: Kaby Lake (Elmhirst)

REPORT No.: 35

WORK PERFORMED BY: Dome Exploration Ltd.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
TB 335128	145-7	227.0	June/80	(1)
	145-8	395.0	June/80	(1)
	145-9	650.0	June/80	(1)
	145-10	202.0	June/80	(1)
	145-11	538.0	June/80	(1)
		2012.0		

NOTES: (1) #253-81 (Elmhirst Twp.)







**DOME EXPLORATION (CANADA) LIMITED**  
**DIAMOND DRILL RECORD**

HOLE NO: 145-11

PAGE NO: 4 of 4

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dwt / ton	Ag oz./ton	Cu %	Zn %
				from	to					
		contact at 55°.								
438.8	439.9	DACITE : similar to 337 - 435, quite chilled, may be large inclusion in mafic dike.								
439.9	447.1	FELDSPAR PORPHYRY: coarse grained, medium grey, rounded to sub-angular feldspar crystals in quartz-feldspar and biotite (minor) matrix, few specks of pyrite, minor sericite partings, upper contact irregular at 31°, lower contact at 62°.								
		446.4 - 447.1: band of massive biotite with quartz-carbonate veining, fine grained, brown, fine specks of pyrite throughout.								
447.1	528.0	DACITE: fine grained, light grey to medium grey, locally tuffaceous, clots of chlorite, quartz fracture fillings, some epidote fracture filling near base of section, occasional quartz-carbonate veinlet, very minor specks of pyrite, overall quite massive in appearance.								
		528.0 - 538.0: core lost in hole when rods sheared off and hole caved. Attempts to recover proved ineffective.								
	538.0	END OF HOLE								
		Drilling by Moderne Diamond Drilling Inc., Val D'Or, Quebec.								
		Core checked for radioactivity - nothing of interest.								
		Core stored at the Dome Mine, South Porcupine, Ont. Casing not recovered - Nx - 26', Ax - 26'.								

*W. H. McDonald*



DOME EXPLORATION (CANADA) LIMITED

DIAMOND DRILL RECORD

HOLE NO: 145-10

PAGE NO: 2 of 5

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dwt / ton	Ag oz / ton	Cu %	Zn %	Mo %	WO <sub>3</sub> %	Pb %	Sn %
				from	to									
		87.5 - 93.0: 90% schist, 5% disseminated cubic pyrite, 5% lensy quartz-carbonate veinlets.	26712	87.5	90.5	3.0'	Tr							
			26713	90.5	93.0	2.5'	.10							
		93.0 - 94.5: 80% vein quartz, some minor carbonate, 20% schist inclusions, < 5% sulphides - mainly pyrite, few specks of chalcopyrite and galena.	26714	93.0	94.5	1.5'	.90							
		94.5 - 96.8: mainly schist, < 10% quartz, minor carbonate, 5% cubic pyrite, few specks of chalcopyrite.	26715	94.5	96.8	2.3'	.20							
		96.8 - 97.8: 95% vein quartz, fractured, 5% schist specks of pyrite, chalcopyrite and galena.	26716	96.8	97.8	1.0'	3.40							
		97.8 - 100.8: 85% schist, quite massive, 10% lensy quartz, 5% cubic pyrite.	26717	97.8	100.8	3.0'	.40							
100.8	111.5	QUARTZ VEIN: predominantly vein quartz with local inclusions of chlorite - sericite schist, dirty white, fractured.												
		100.8 - 101.8: vein quartz, few specks of pyrite, occasional chlorite fracture filling	26718	100.8	101.8	1.0'	.40							
		101.8 - 102.7: 70% chlorite - sericite schist, 20% lensy quartz, 10% cubic pyrite.	26719	101.8	102.7	0.9'	.60							
		102.7 - 103.8: 85% vein quartz, 15% schist with disseminated pyrite, fractured, chlorite fracture fillings.	26720	102.7	103.8	1.1'	.40							
		103.8 - 106.5: 60% vein quartz, 35% schist, 5% cubic pyrite, few specks of chalcopyrite.	26721	103.8	106.5	2.7'	.70							

DOME EXPLORATION (CANADA) LIMITED

DIAMOND DRILL RECORD

HOLE No: 145-10

PAGE No: 3 of 5

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dwt / ton	Ag oz / ton	Cu %	Zn %	Mo %	WO <sub>3</sub> %	Pb %	Sn %
				from	to									
		106.5 - 109.4: 75% vein quartz, 20% schist, 5% cubic pyrite, well fractured	26722	106.5	109.4	2.9'	1.30							
		109.4 - 111.5: vein quartz, fractured, dirty white, specks of pyrite, chalcopyrite and galena, chlorite fracture fillings.	26723	109.4	111.5	2.1'	4.20							
		111.5 - 126.7 CHLORITE - SERICITE SCHIST: light green to dark green, fine grained local quartz lenses, schistosity at 45°.												
		111.5 - 113.4: chlorite - rich schist, minor quartz veining, 5% cubic pyrite.	26724	111.5	113.4	1.9'	.40							
		113.4 - 114.7: 10% grey vein quartz, 85% chlorite rich schist, 5% cubic pyrite.	26725	113.4	114.7	1.3'	.20							
		114.7 - 117.4: schist, chlorite > sericite, carbonated, 5% cubic pyrite.	26726	114.7	117.4	2.7'	.10							
		117.4 - 119.3: 65% vein quartz, 30% schist, 5% cubic pyrite, fractured and extensively carbonatized.	26727	117.4	119.3	1.9'	Tr							
		119.3 - 121.6: 85% schist, 10% quartz, 5% pyrite, extensive carbonatization.	26728	119.3	121.6	2.3'	Tr							
		121.6 - 122.5: 95% vein quartz, 5% schist, fractured, minor carbonate.	26729	121.6	122.5	0.9'	Tr							
		122.5 - 126.7: chlorite-rich horizon, not very schistose, minor quartz veining, 5% disseminated pyrite.	26730	122.5	126.7	4.2'	Tr							





DOME EXPLORATION (CANADA) LIMITED

DIAMOND DRILL RECORD

HOLE NO: 145-10

PAGE NO: 5 of 5

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dw./ton	Ag oz./ton	Cu %	Zn %	Mo %	W <sub>2</sub> O <sub>3</sub> %	Pd %	Sn %
from	to			from	to									
		Core checked for radioactivity - nothing of interest												
		Core stored at the Dome Mine, South Porcupine, Ontario.												
		Casing pulled.												

*Attest  
A. M. G. Carver*





**DOME EXPLORATION (CANADA) LIMITED**  
**DIAMOND DRILL RECORD**

HOLE NO: 145-9

PAGE NO: 3 of 7

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dwt./ton	Ag oz./ton	Cu %	Zn %
				from	to					
194.0	207.3	PORPHYRITIC DACITE: similar to 116 - 128, greenish grey, somewhat epidotized, feldspar phenocrysts to 3 mm., fine specks of pyrite and occasionally pyrrhotite.								
207.3	255.4	DACITE: greenish-grey, fine grained to medium grained, somewhat tuffaceous, possibly some lapilli but not distinct enough to identify clearly, clots of chlorite, moderately fractured with quartz fillings, specks of pyrite and small blebs of pyrrhotite throughout, fine grained to 215.0 becoming tuffaceous.	26684	228.7	229.7	1.0	Nil			
		228.9 - 229.4: quartz vein, inclusions of dacite, specks of pyrite, rare specks of pyrrhotite chalcopyrite.								
		243.3: 1/4" quartz veinlet, few specks of pyrite and pyrrhotite								
255.4	471.8	INTERMEDIATE-FELSIC LAPILLI TUFF: fine grained intermediate to felsic lapilli to 4 cm. in somewhat chloritic intermediate groundmass, medium grey to grey-green, clots of chlorite throughout, locally very large fragments (bombs), possibly some agglomerate bands, minor quartz fracture fillings, specks and small blebs of pyrite and pyrrhotite throughout.								
		310.9 - 311.1: 30% blebs of pyrrhotite, specks of pyrite, very fine specks of chalcopyrite.								
		317.5 - 319.2: 15% fine specks and blebs of pyrrhotite greater than pyrite, few specks of chalcopyrite.	26685	317.5	319.2	1.7	.10			
		331.5: 1/2" quartz-carbonate veinlet								
		340.0 - 341.6: 15% disseminated and blebs of pyrrhotite, minor pyrite, few specks of chalcopyrite.	26686	340.0	341.6	1.6	.10			



**DOME EXPLORATION (CANADA) LIMITED**  
**DIAMOND DRILL RECORD**

HOLE NO: 145-9

PAGE NO: 5 of 7

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dwt / ton	Ag oz / ton	Cu %	Zn %
				from	to					
471.8	479.5	DACITE: fine grained, dark grey near top to very light grey near base, increase in chlorite and sericite down section becoming schistose near base, finely disseminated pyrite.	26692	476.0	479.5	3.5	Tr			
479.5	494.2	CHLORITE - SERICITE SCHIST: fine grained, light green, finely disseminated pyrite throughout, local lenses of quartz and carbonate, schistosity at 30°.	26693	479.5	483.0	3.5	Tr			
		479.5 - 483.0: schist with 10% quartz lenses, minor carbonate.	26694	483.0	484.9	1.9	1.00			
		483.0 - 484.9: 60% vein quartz, well fractured 7% fine cubic pyrite, remainder schist.	26695	484.9	487.9	3.0	.40			
		484.9 - 487.9: 70% schist, 20% quartz lenses with minor carbonate, 10% disseminated cubic pyrite.	26696	487.9	491.0	3.1	.20			
		487.9 - 491.0: 80% schist, 15% quartz lenses, 5% disseminated pyrite cubes.	26697	491.0	493.0	2.0	.10			
		491.0 - 493.0: 80% vein quartz, well fractured, 20% schist, minor disseminated pyrite.	26698	493.0	494.2	1.2	.10			
		493.0 - 494.2: predominantly schist, minor quartz.								
494.2	496.8	FELDSPAR PORPHYRY: coarse grained large feldspar phenocrysts in quartz-feldspar matrix, extremely altered, introduction of chlorite and sericite, minute fracturing across phenocrysts, upper contact at 28° , lower contact at 29° .	26699	494.2	496.8	2.6	Tr			
496.8	498.5	CHLORITE - SERICITE SCHIST: fine grained, light green, 25% quartz lenses, 7% disseminated pyrite cubes.	26700	496.8	498.5	1.7	.80			





**HOME EXPLORATION (CANADA) LIMITED**  
**DIAMOND DRILL RECORD**

HOLE NO: 145-9

PAGE No: 7 of 7

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dw./ ton	Ag oz./ton	Cu %	Zn %
from	to			from	to					
		Drilling by Moderne Diamond Drilling Inc., Val D'Or, Quebec								
		Core tested for radioactivity - nothing of interest								
		Core stored at the Dome Mine, South Porcupine, Ontario								
		Casing pulled.								

*A Mac Connell*



**DOME EXPLORATION (CANADA) LIMITED**  
DIAMOND DRILL RECORD

HOLE NO: 145-8

PAGE NO: 2 of 3

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE from	to	LENGTH feet	Au dwt / ton	Ag oz / ton	Cu %	Zn %
		sequence is chilled, lower contact at 58° with chilling of underlying sequence.								
		148.1: 1 inch band of quartz, minor carbonate, few specks of pyrite and chalcopyrite.								
		163.2 - 163.35: quartz band at 60°, inclusions of chlorite, few specks of pyrite.								
		174.15 - 174.3: 2 quartz veinlets (3/4" and 1/2") few specks of pyrite, rare chalcopyrite.								
		191.6: 1 inch quartz band, 3% specks of pyrrhotite, chalcopyrite and pyrite.								
		193.0: 1 inch quartz band, 5% disseminated pyrrhotite, minor pyrite and chalcopyrite.								
211.7	276.9	FELSIC-INTERMEDIATE LAPILLI TUFF: fine grained fel- sic to intermediate lapilli to 4 cm., possible some hombs as well, intermediate slightly chloritic matrix, few finer tuffaceous sections in which lapilli not distinct, few quartz fracture fillings.								
		236.7 - 239.5: extensive chlorite alteration, 1 1/2" quartz vein at 237.0', fine specks of pyr- rite, several narrower quartz veinlets and blebs	26669	236.7	239.5	2.8	Tr			
		275.4: large chlorite clots with 3% pyrrhotite and chalcopyrite.								
276.9	290.1	PORPHYRITIC DACITE: feldspar phenocrysts to 5mm. in fine grained to medium grained intermediate matrix, slightly tuffaceous, medium grey, occasional chlorite clot, moderately fractured, few specks of pyrite.								
290.1	295.9	DACITE: generally fine grained with few narrow tuffaceous sections, greenish-grey, chlorite and occasional sericite selvages, 5% quartz veining and fracture filling, specks and fracture fillings of pyrite and occasionally pyrrhotite.	26670	290.1	295.9	5.8	Tr			

**DOME EXPLORATION (CANADA) LIMITED**  
**DIAMOND DRILL RECORD**

HOLE NO: 145-8

PAGE NO: 3 of 3

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dwt / ton	Ag oz / ton	Cu %	Zn %
				from	to					
295.9	328.2	PORPHYRITIC DACITE: similar to 276 - 290, slightly tufaceous, occasional quartz fracture fillings, few specks of pyrite, rare specks of pyrrhotite, overall massive appearance.								
328.2	355.0	FRACTURE ZONE ? dacitic composition, medium gray, fine grained, possibly some lapilli tuff in upper few feet, minor chlorite and occasional sericite selvages, 10% - 15% quartz filled fractures usually accompanied by specks of pyrite and pyrrhotite, finely disseminated pyrite throughout section to 3%	26671	328.2	331.2	3.0	Nil			
			26672	331.2	334.2	3.0	Nil			
			26673	334.2	338.2	4.0	Nil			
			26674	338.2	341.2	3.0	Nil			
			26675	341.2	344.2	3.0	Tr			
			26676	344.2	347.2	3.0	Nil			
			26677	347.2	351.2	4.0	Tr			
			26678	351.2	355.0	3.8	Nil			
355.0	395.0	FELSIC-INTERMEDIATE LAPILLI TUFF: poorly developed felsic lapilli in somewhat chloritic intermediate groundmass, chlorite clots with associated specks of pyrrhotite, occasional speck of chalcopyrite, fine disseminations and fracture fillings of pyrite, chlorite and quartz fracture fillings.								
		371.6 - 376.7: fine grained dacitic band, fine disseminations and specks of pyrite and pyrrhotite to 5%.	26679	371.6	376.7	5.1	Nil			
		387.4: ½ inch barren white quartz vein at 20° narrow chloritic mud margins.								
395.0		END OF HOLE								
		Drilling by Moderne Diamond Drilling Inc., Val D'Or, Quebec.								
		Core checked for radioactivity - nothing of interest.								
		Core stored at the Dome Mine, South Porcupine, Ontario.								
		Casing left in hole: NX 24 feet, AX 20 feet								

*W. H. Cornwall*



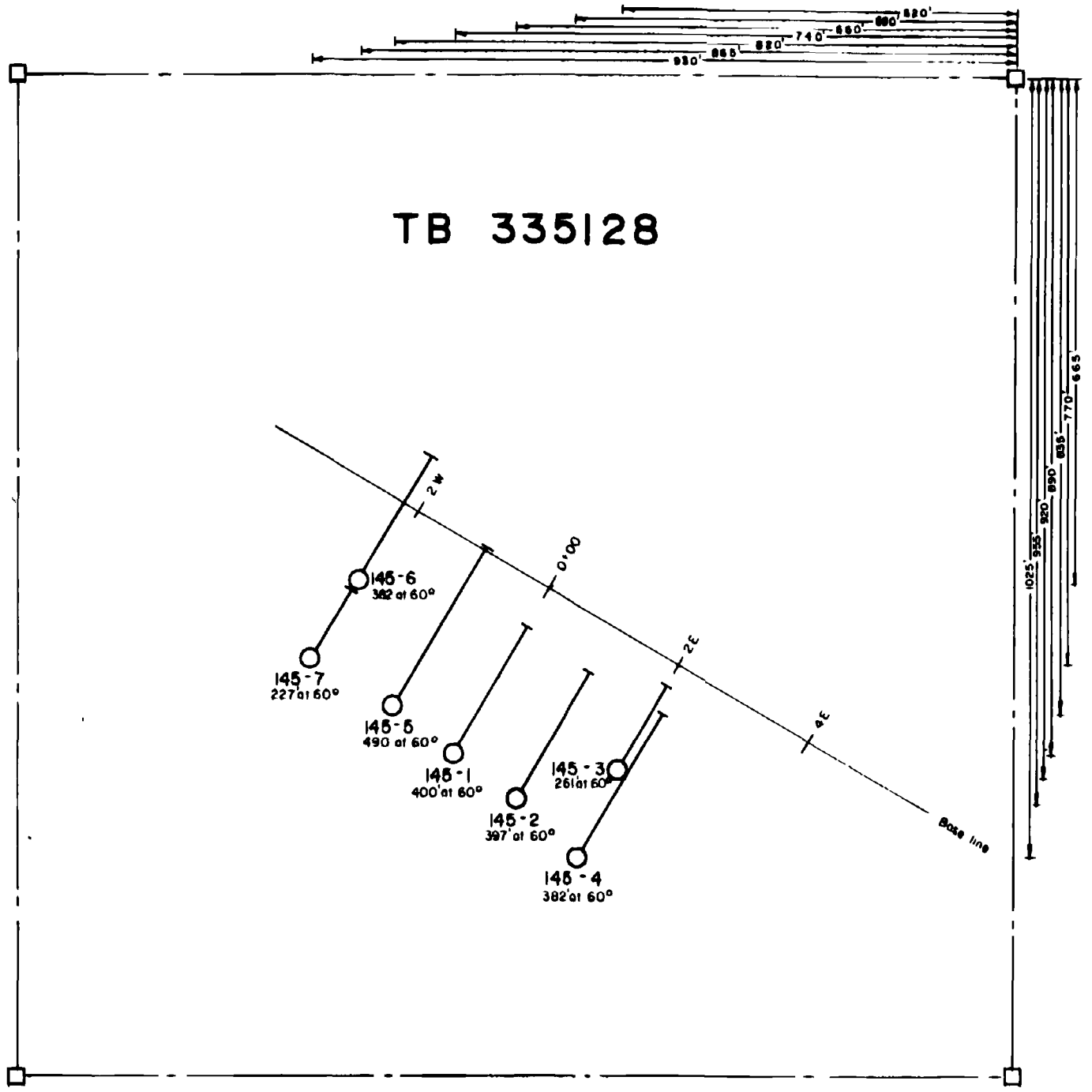
**DOME EXPLORATION (CANADA) LIMITED**  
**DIAMOND CORE RECORD**

HOLE NO: 145 - 7

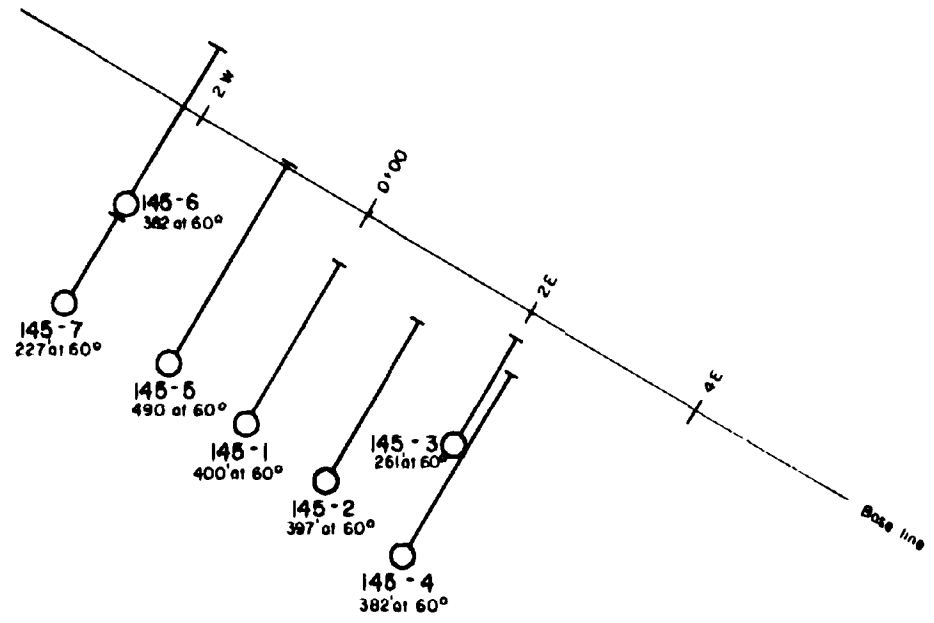
PAGE No: 2 of 2

FOOTAGE from	to	DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH feet	Au dw./ ton	Ag oz./ton	Cu %	Zn %
				from	to					
157.3	160.9	MAFIC TUFF: Medium grained, dark green, extensive chloritization, minor fracturing, rare speck of pyrite and pyrrhotite.								
160.9	177.0	INTERMEDIATE - FELSIC LAPILLI TUFF: Similar to 50 - 82, occasional shearing near parallel to core, few quartz fracture fillings, medium grey.								
177.0	179.3	MAFIC TUFF: Slightly schistose, major chlorite and minor sericite development, two narrow quartz veins (1") at 177.0' and 178.5', few specks of pyrite and chalcopyrite, schistosity at 25° to core axis.	26668	177.0	179.3	2.3'	Tr			
179.3	227.0	DACITE: Generally fine grained with local tuffaceous bands, medium grey-green, lightly fractured, chlorite development prominent throughout.								
227.0	227.0	END OF HOLE:								
		Drilling by: MODERNE DIAMOND DRILLING INC. VAL D'OR, QUEBEC								
		Core checked for radioactivity - nothing of interest.								
		Core stored at: DOME MINES LIMITED SOUTH PORCUPINE, ONTARIO								
		Casing pulled.								

*W. MacFarlane*



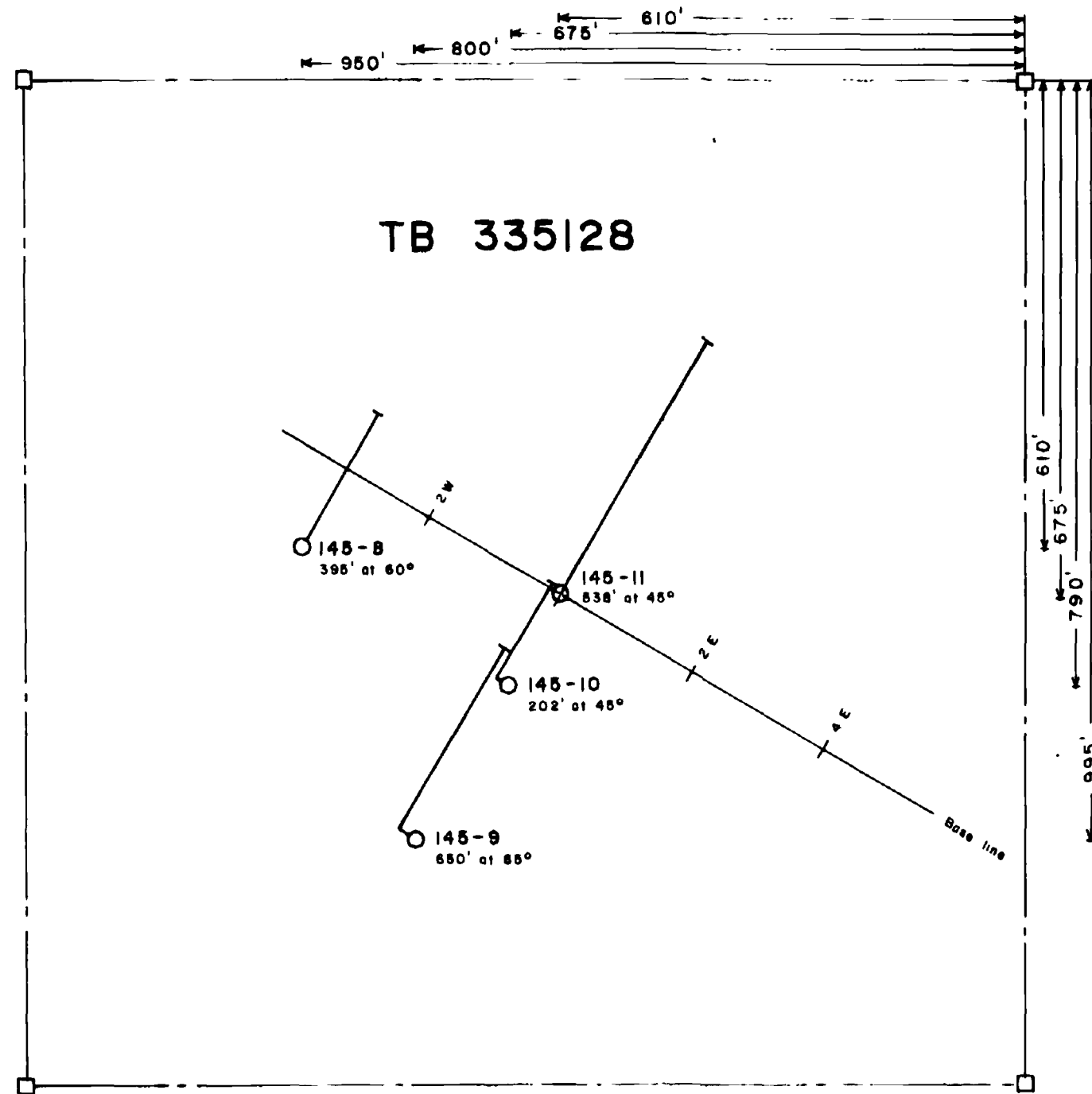
TB 335128



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7/25/81

DOME EXPLORATION (CANADA) LTD				
PROJ 145, METALORE OPTION ELMHIRST TOWNSHIP, ONTARIO				
<b>DDH LOCATIONS</b>				
SCALE	DATE	BY	NTS No	DWG No
1" = 200'	JUNE, 1980		42-E-11	145-3



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DOME EXPLORATION (CANADA) LTD				
PROJ 145 - METALORE OPTION, ELMHIRST TWP, ONTARIO				
DDH LOCATION				
SCALE	DATE	BY	NTS No	DWG No
1" = 200'	MAY, 1991	MS	42-E-11	145-5