

DIAMOND DRILLING



42H08NW0026 12 TWEED

010

Township: TWEED

Report No: 12

WORK PERFORMED FOR: Texas Gulf Sulphur

RECORDED HOLDER: SAME AS ABOVE [X]

: OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L-97939	Tw-26-1	697'	Feb-Mar/67	(1)
	Tw-26-2	508'	Mar/67	(1)
	Tw-26-3	452'	Mar/67	(1)
L-100214	Tw-25-1	<u>479'</u> 2136	Mar/67	(1)

NOTES: (1) Received from Mining Recorder, cancelled claims, put on file in Toronto Jan 8/88.

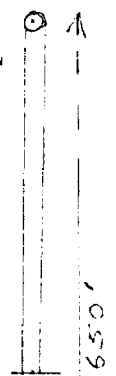
Twiced Township
Larder Lake Mining Division

L 97939.

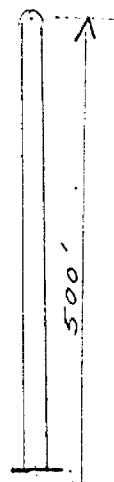
Base Line

1800E

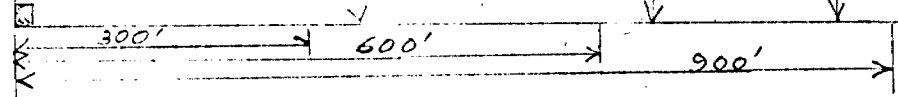
TW-26-2
Bearing 180°
DIP - 45°
Depth 508'



TW-26-1
Bearing 180°
DIP - 45°
Depth 697'



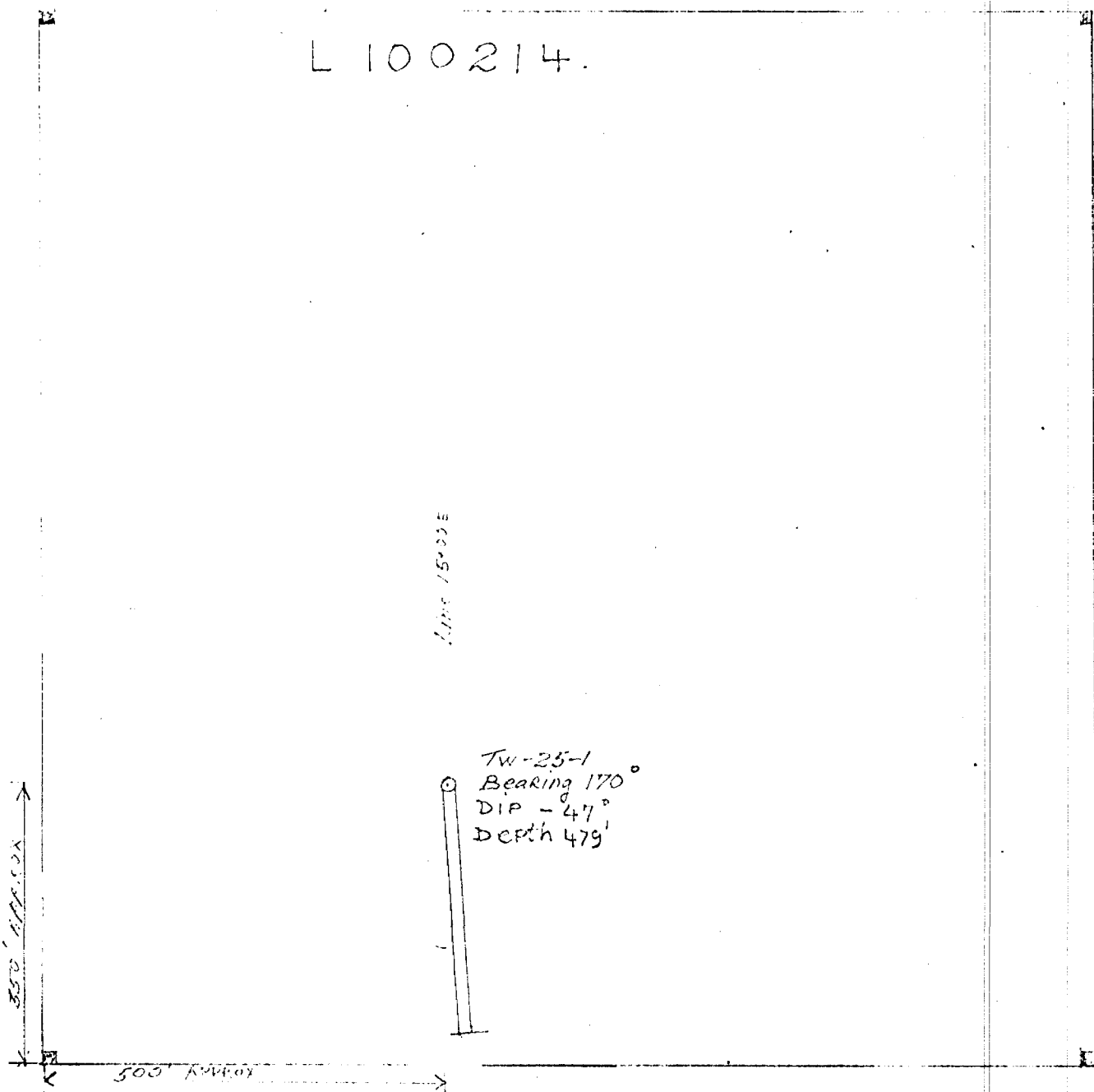
TW-26-3
Bearing 180°
DIP - 45°
Depth 452'



Drill Hole Location Sketch.
Texas Gulf Sulphur Co.

Tweed Township
London Lake Mining Division

L 100214.



Drill Hole Location Sketch
Texas Gulf Sulphur Co.

D. D. HOLE No. TW-25-1

Loc. WEED TOWNSHIP Dip collar: -47° Bearing collar: Grid South Length: 479'
 15+00E Collar el.:
 3+50N Bottom el.:
 Drilled by: Longyear Core size: AXT Begun: MAR 14 Ended: Mar. 17/67 Logged by: R.M. Ginn

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	0	148	148		Overburden, Clay
	148	233	85	100	GREYWACKE, amphibolitic and garnetiferous, 5% pyrrhotite and pyrite as disseminated blebs and a few narrow stringers, rare specks of chalcopyrite.
	233	246	13	100	AMPHIBOLITE, meta sediment
	246	248	2	100	QUARTZITE, 5% pyrite and pyrrhotite, specks of chalcopyrite are common.
	248	268	20	100	SUBGREYWACKE, no sulphides apparent
	268	279	11	100	SUBGREYWACKE, 15% pyrite, 5% pyrrhotite
Conductor	279	298	19	100	GREYWACKE, 50% pyrite, 5% pyrrhotite, specks chalcopyrite. CONDUCTOR
	298	306	8	100	GREYWACKE, thinly bedded
	306	313	7	100	GRAPHITIC SLATE, rare small marcasite nodule
	313	325	12	100	GREYWACKE, medium-grained, bedding at 75° to core axis, beds 1" to 3" thick, tops down hole.
	325	326	1	100	GRAPHITIC SLATE, 5% pyrite in narrow beds, streaks, a few specks chalcopyrite.
	326	334	12	100	GREYWACKE, thinly bedded at 75° to core axis.
	334	336	2	100	GRAPHITIC SLATE, sooty, minor disseminated pyrite.
	336	372	36	100	GREYWACKE, poorly bedded, medium-grained
	372	448	1	100	GREYWACKE, thinly bedded, 5% pyrrhotite, splashes of chalcopyrite along bedding planes.
	373	448	75	100	GREYWACKE, local specks of pyrite, less than 5%

D. D. Hole No.

D. D. HOLE No. TW-26-1

Loc. 18+00E Dip collar : -45° Bearing collar : Grid South Length: 697 ft.
 7+00S Collar el. :
 Bottom el. :
 Canadian V.N. KELLY
 Drilled by: Longyear Core size: AXT Begun: Feb. 25/67 Ended: Mar. 3/67 Logged by: D.P. ROGERS

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
	0	38	38	0	OVERBURDEN
	38	45	7	100	ANDESITE TUFF. Fairly fine-grain, green colour. 15% Pyrite and Pyrrhotite in fine bands. Sulphides associated with fine bands of quartz carbonate. Foliation at 50° to core axis.
	45	50.5	5.5		ANDESITE TUFF Minor Pyrite and Pyrrhotite
CONDUCTOR	50.5	56	5.5		IMPURE GREYWACKE AND ANDESITIC TUFF Possible slump structures. 20% Pyrrhotite with subordinate Pyrite occurring in irregular bands and patches. 1/8" band of Chalcopyrite associated with 3" massive Pyrrhotite at 53 ft.
	56	67	11		BANDED TUFF Several 2" zones with 20% Pyrrhotite.
	67	70	3		BANDED TUFF Core angle 65°
	70	78	8		ANDESITE Fairly massive
	78	98	20		ANDESITE TUFF Small patch of Pyrite at 89.5 ft.
	98	108	10		ANDESITE possibly tuffaceous
	108	138	30		ANDESITE TUFF. Minor buff-coloured carbonate (Ankerite?) at 119 ft. Moderate foliation at 70° to core axis.
	138	147	9		ANDESITE TUFF Coarser composition than above
CONDUCTOR	147	154	7	100	ARENACEOUS SEDIMENTS Possible slump structures. Partially silicified, light colour 6" massive Pyrrhotite at 147.5 ft. 10 - 15% blebs Pyrrhotite, Pyrite throughout.

D. D. HOLE No. TW-26-1

Loc. Dip collar : Bearing collar : Length:
 : : Collar el. :
 : : Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
	154	168	14		ANDESITIC TUFF Fairly coarse texture.
	168	185	17		ANDESITIC TUFF Well-laminated. 1" massive Pyrrhotite at 176 ft.
	185	210	25		QUARTZITIC SEDIMENTS with 10% chloritized sections. Strongly silicified. Occasional patches of Pyrrhotite and Pyrite.
	210	226	16		QUARTZITIC SEDIMENTS 20% Pyrrhotite and Pyrite. Possible slump structures. Some contorted chloritic-garnet sections.
	226	229	3		MASSIVE PYRRHOTITE (40-50%) with intermixed fragments of graphitic shale and quartz segregations.
	229	235	6		GRAPHITIC SHALE Pyrrhotite gradually diminishes to less than 5%. Core angle = 70°.
	235	242.5	7.5		RHYOLITE (?) Massive, mottled texture, possibly intrusive. Contact angle = 60°.
	242.5	259	16.5		GRAPHITIC SHALE Black colour. 10-15% banded pyrite. 258 ft. - fault seam (?)
	259	300	41		CARBONACEOUS SHALE OR TUFF Carbon content gradually diminishes.
	300	303	3		TUFFS OR ARGILLITE Light grey colour. Weakly graded.
	303	308	5		SHALE Minor Pyrite
	308	312	4		ARGILLITE
	312	337	25		GREY-BROWN ARGILLITE 320 - 330 ft. Shale facies

D. D. HOLE No. TW-26-1

Loc. _____ Dip collar : _____ Bearing collar : _____ Length: _____
 _____ : _____ : _____ Collar el. : _____
 _____ : _____ : _____ Bottom el. : _____

Drilled by: _____ Core size: _____ Began: _____ Ended: _____ Logged by: _____

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	337	340.2	3.2		QUARTZITE
	340.2	346	5.8		SHALE/ARGILLITE with 5% Pyrite.
	346	355	9		QUARTZITE
	355	370	15		SHALE/ARGILLITE with 5% Pyrite and a trace of Pyrrhotite.
					358 - 361 ft. = 3 ft. FAULT ZONE no core
					364 - 366 ft. = 2 ft. Quartzite
	370	376	6		QUARTZITE
	376	396	20		ARGILLITE WITH TUFF FACIES
					380 - 388 ft. = 8 ft. Carbonaceous shale.
	396	403	7		QUARTZITE
					Foliation/bedding from 70-80° to core axis.
	403	438	35		ARGILLITE with less than 5% Pyrite and a trace of Pyrrhotite and Graphite with narrow shale and tuff facies
	438	440	2		GRAPHITIC SHALE
	440	622	182		VARIED TUFFS AND SEDIMENTS (Not differentiated)
					457 ft. = 6" argillaceous bed with Pyrite, Pyrrhotite and a trace of Chalcopyrite.
					550 ft. bedding 80° to core axis.
	622	625	3		CARBONACEOUS SHALE with 5-10% Pyrrhotite Pyrite and minor Graphite.
	625	643	18		VARIED TUFFS AND SEDIMENTS (not differentiated)
					Trace of Pyrrhotite and Pyrite.
1234 (in ppm. (((643	651.5	8.5		5-10% Pyrrhotite and Pyrite, with traces of Chalcopyrite
	651.5	655	4.5		15-25% Pyrrhotite, Pyrite with Graphite and a trace of Chalcopyrite

D. D. HOLE No. TW-26-2

Loc. 15+00E Dip collar: -45° Bearing collar: Grid South Length: 508 ft.
 5+60S
 Canadian
 Drilled by: Longyear Core size: AX Begun: Mar 5/67 Ended: Mar 8/67 Logged by: V.N. Kelly
 Collar el. :
 Bottom el. :

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	0	76	76	0	OVERBURDEN
	76	87	11	100	ANDESITIC TUFF Green coloured. Occasional quartz carbonate veins. 10% Pyrite and Pyrrhotite. Well-banded at 60° to core axis.
	87	114	27		ANDESITE TUFF Fairly fine grained. Partially recrystallized due to metamorphism.
	114	118	4		META ANDESITE TUFF. Coarser grained than above. Moderate chloritic development. Minor Pyrrhotite, Pyrite.
	118	136	18		ANDESITE TUFF. Fine grained.
	136	182	46		ANDESITE TUFF. Well-banded. Minor garnet. 10% quartz veinlets. Core angle=60°. Trace chalcopyrite at 144 ft.
	182	224	42		ANDESITE TUFF. Fine grained uniform.
	224	238	14		ANDESITE TUFF. Coarser grain.
	238	260	22		ANDESITE TUFF. Well-banded. 10% patches Pyrrhotite, Pyrite. Trace of Chalcopyrite. Andesite tuff becomes intermixed with weakly graphitic zones.
	260	268	8		GREYWACKE OR TUFF. 1" zone at 263 ft. of strongly graphitic shale with flake graphite and 10% Pyrrhotite, Pyrite.
	268	282	14		ACID INTRUSIVE Medium grained, light grey colour. Composition about 60% quartz, 35% feldspar, 5% biotite. Massive.
	282	356	74		TUFF OR FINE GRAINED, BANDED GREYWACKE. Occasional weakly graphitic zones. Core angle 60°.

D. D. HOLE No. TW-26-2

Loc. Dip collar : Bearing collar : Length:
 : : Collar el. :
 : : Bottom el. :

Drilled by: Core size: Begun: Ended: Logged by:

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
	356	368	12		<u>TUFF OR SEDIMENT</u> Slightly green colour. Well-banded. Varies from repetitious quartzitic to weakly carbonaceous zones.
	368	378	10		<u>GRAPHITIC SEDIMENTS</u>
	378	398	20		<u>TUFF OR SEDIMENTS.</u> Moderately graphitic Minor Pyrrhotite.
	398	399	1		<u>QUARTZITE.</u>
	399	400	1		<u>CARBONACEOUS TUFF.</u>
	400	402	2		<u>QUARTZITE</u>
	402	432	30		<u>SHALE OR TUFF.</u> Weakly carbonaceous. Core angle = 60°. Minor Pyrrhotite, Pyrite.
	432	475	43		<u>ACID INTRUSIVE.</u> Fairly fine grained. Light grey colour. Massive.
	475	484	9		<u>TUFF OR WEAKLY CARBONACEOUS SEDIMENTS</u>
	484	488	4		<u>QUARTZITE</u>
	488	508	20		<u>TUFF OR GREYWACKE</u> Some strongly folded shaly zones. Core angle = 60°. Minor Pyrrhotite, Pyrite.
					END OF HOLE
					<i>V. N. Kelly</i>

D. D. HOLE No. TW-26-3

Loc. TW-26-3 Dip collar : -45° Bearing collar : Grid South Length: 452
 Collar el. :
 Bottom el. :

Drilled by: Longyear Core size: AXT Begun: Mar. 19/67 Ended: MAR 21/67 Logged by: R.M. Ginn
 D.P. Rogers

Samples	Footage drilled				Geology
	From	To	Lon.	Rec. %	
	0	62			Overburden
	62	65	3		GNEISS granitized, hornblendic, banded at 75° to core axis.
	65	114	49		GNEISSIC SEDIMENT, garnetiferous, hornblende. Rare Po in foliation. 72'-74'=2' - 10% Po discordant veins about 1" thick 74'-86'=12' - minor Po Py stringers <5% 86'-112'=26' Po increasing to about 8% of core as blebs and narrow stringers. Hornblendic greywacke bedded 80° to C/A.
	114	120	6		TUFF or finely bedded greywacke with specks of chalcopyrite in Po. 112'-114'=2' Po average 10% of core. Locally 80% across 6" as at 119'.
	120	150	30		META ANDESITE, dark green, chloritic about 5% Po Py disseminate. Flow top at 70° to C/A at 140'
	150	202	52		META ANDESITE - amygdaloidal with 10% Po < rare specs of chalcopyrite. 194'-195.5' = 1.5' of 10-15% Po Py with trace of calcopyrite.
	202	245	43		META ANDESITE WITH TUFF FACIES - Minor Po Py at 204', 212', 213', 215', 217' 219' with occasional trace of chalcopyrite 225' foliation at 70° to core axis. 234' blebs of Po Py 235' blebs of Po Py

D. D. Hole No. TW-26-3

D. D. HOLE No. TW-26-3

Loc. NEED TOWNSHIP

Dip collar : - 45°

Bearing collar : Grid South

Length:

Collar el. :

Bottom el. :

Drilled by: Longyear

Core size: AXT

Begun: Mar. 19/67 Ended:

R.M. Ginn
Logged by: D.P. Rogers

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	245	252	7	100	QUARTZITIC ROCK with disseminations and blebs 5-20% Po Py with trace of chalcopyrite
	252	312	60	100	META ANDESITE with tuff facies 268.5' = 3" of blebs of Po Py with trace of chalcopyrite. 274' = 3" of blebs of Po Py with trace of cpy. 277' = 3" of blebs of Po Py with trace of cpy. 282'-283' = 1' 5-10% Po Py 284'-285' = 1' 12% Po Py with trace of cpy Foliation at 60'-65' to core axis. Rock becoming amygdaloidal and also garnet facies. 297'-298' = 1' 5-10% Po Py 309'-312' = 10% Po Py with trace of chalco- pyrite.
	312	377	65	100	INTERMEDIATE TUFF with siliceous fragments. Foliation 40-45° to core axis. < 5% Po Py blebs disseminations with trace of chalcopyrite. 330'-330' = 7" with 5-10% Py Po with trace of chalcopyrite. 330' = 5% Po Py with trace of chalco- pyrite ? 345' - Foliation 20° to core axis. 352'-359' = 7' with 5-10% Po Py trace of chalcopyrite ? 370' = 6" of 20% Po Py 374' = 6" of 20% Po Py

D. D. Hole No. TW-26-3

D. D. HOLE No. TW-26-3

Loc. TW-26-3

Dip collar : -45°

Bearing collar : Grid South

Length:

Collar el. :

Bottom el. :

Drilled by: Longyear

Core size: AXT

Begun: Mar. 19/67 Ended:

Logged by: R.M. Ginn
D.P. Rogers

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	377	391	14	100	GRADATIONAL CONTACT FACIES TO A QUARTZITE-IRON FORMATION facies. Quartz magnetite rock with occasional garnets. 381' = 12" of 20% Po Py. The magnetite is finely disseminated in sugary friable quartzite - bedded at 45-50° to core axis.
	391				QUARTZITE SULPHIDE "FACIES" Po Py 10-20% in sugar quartzite 396'-403' = 7' Massive Sulphide Po Py, quartz 40-80% 403'-406' = 3' Quartzite with <2% Py Po 406'-408' = 2' Shale facies with <5% Po Py 408'-410.5' = 2.5' micaceous quartzite 410.5'-411.5' = 1' Shale facies with 10% Po Py 411.5'-419.5' = 8' Quartzite Bedding contact with underlying shale at 50° to core axis. 415' = 6" with 20% Po Py 416' = 6" with 20% Py Po 419.5' - 421.8' = 2.2' Shaley quartzite with 30% Po Py 421.8' 423.5 = 1.7' Quartzite with 5% Py Po
	423.5	452	28.5		MICACEOUS ARGILLITE with shale facies 423.5'-427' = 3.5' with <5% Po Py
					END OF HOLE

D. D. Hole No. TW-26-3



42H08NW0026 12 TWEED

900

ONTARIO

THE MINING ACT REPORT OF WORK

required for each type of work to be recorded.

To the Recorder of... LARDER LAKE * 67/97937 Mining Division

I, ... TEXAS GULF SULPHUR COMPANY name of Recorded Holder

8th FLOOR, 34 KING STREET EAST, TORONTO 1, Ont. Miner's Licence A-34861

do hereby report the performance of ... 2,136 days of ... Diamond Drilling type of work

not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Lists claim numbers L.97937, L.97935, L.97936, L.97938, L.97939, L.97940 and L.100158, L.100159, L.100162, L.100163, L.100208, L.100209, L.100211, L.100214, L.100215, L.100222, L.100227, L.100228.

All the work was performed on Mining Claim (s) L.97939, L.100214. (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.

For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.

For Compressed Air or Other Power Driven or Mechanical Equipment Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.

For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.

With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.

For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.

For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Table with 5 columns: D.D.H. No., Bearing, Dip, Depth, Date. Lists drilling data for Tw-25-1, Tw-26-1, Tw-26-2, Tw-26-3 with bearings, dips, depths, and dates from March 14 to March 21, 1967.

(AXT 1-1/8" core)

Drilling by Canadian Longyear Ltd., North Bay, Ontario.

Date ... May 23, 1967

Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

I, ... V.N. Kelly

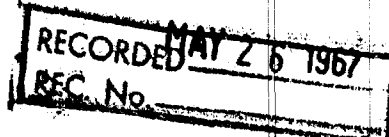
8th Floor, 34 King Street East, TORONTO 1, Ontario (Post Office Address)

hereby certify:

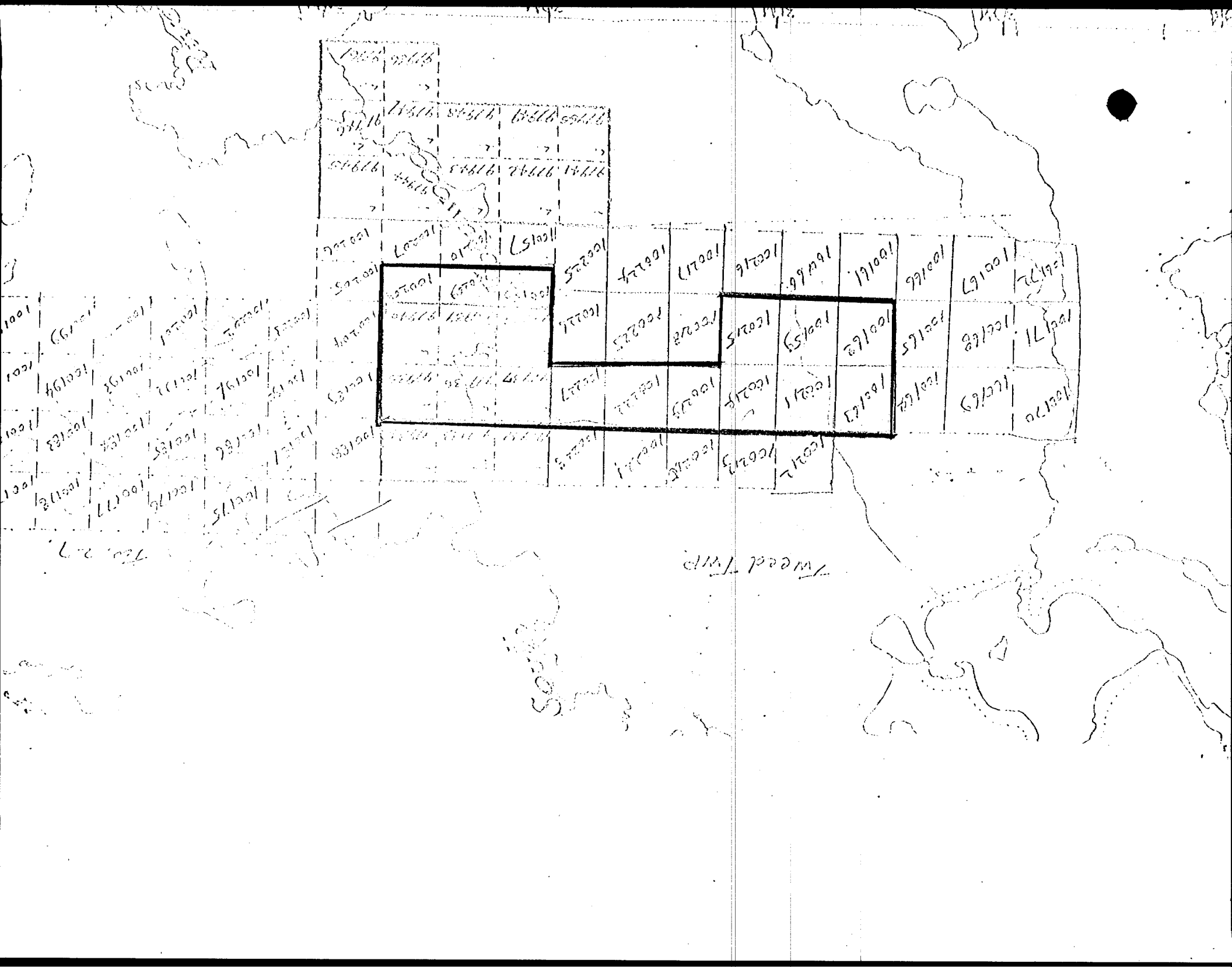
- 1. That I have a personal and intimate knowledge of the facts set forth in the report of work annexed here-to, having performed the work or witnessed same during and/or after its completion.
2. That the annexed report is true.

Dated ... May 23, 1967

Signature



THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500 OR SIX MONTHS IMPRISONMENT OR BOTH.



Tweed Twp