DIAMOND DRILLING

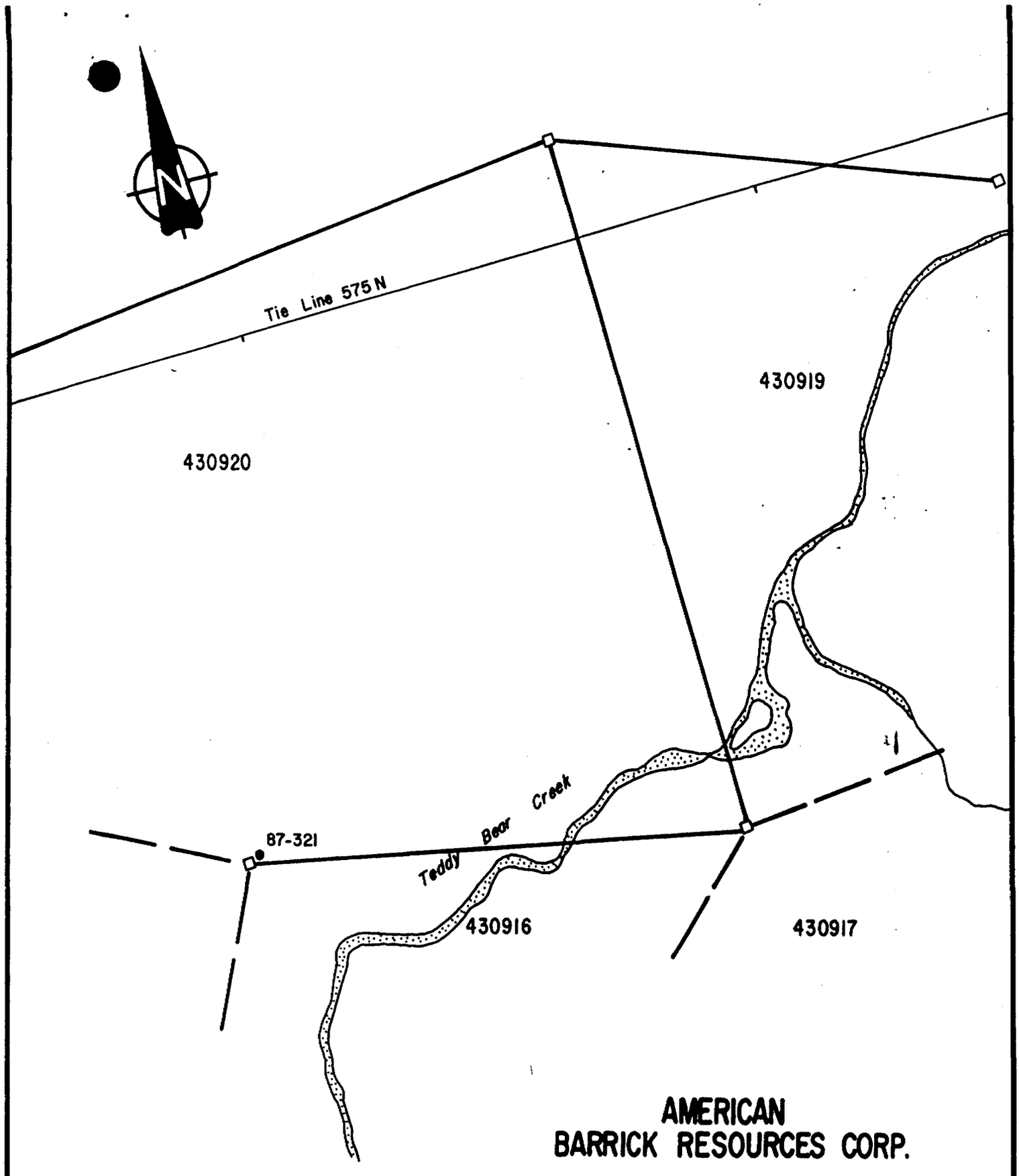
TOWNSHIP: HARKER REPORT NO: 52

WORK PERFORMED FOR: American Barrick Resources Corp.

RECORDED HOLDER: Same as above [xx]
: Other [ ]

Claim No.	Hole No.	Footage	Date	Note
L 430920	MC-87-321	270'	Mar-Apr/87	(1)

NOTES: (1) # 239-87, filed in February/88



AMERICAN
BARRICK RESOURCES CORP.

NEWMEX OPTION

HARKER TOWNSHIP - ONTARIO

100 50 0 100

METRES

AMERICAN BARRICK RESOURCES CORPORATION

Co-ords: 10444.9 5411.8

DIAMOND DRILL RECORD

HOLE NO.: MC.87-321

Azimuth: 360.0

Section: 3515W

Property: NEWMEX

Dip: -60.0

Core Size: BQ

Location: 35+88W 2+80N

Elevation: .0

Length: 270.0

Date Started: MARCH 30, 1987.
Date Completed: APRIL 9, 1987
Logged by: N. DOWNEY

Measurement: METRIC

Comments: CASING LEFT IN HOLE

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.70		-57.5	137.20		-58.5	228.60		-57.5
91.40		-56.0	182.90		-58.5	270.10		-57.5

----------Log Summary----------

.00 23.77 OVERBURDEN.
23.77 29.20 HIGH MAG BASALT.
29.20 72.78 DIORITE.
72.78 91.08 HIGH MAG BASALT.
91.08 95.03 VARIABLY SILICIFIED BASALT.
95.03 122.25 HIGH MAG BASALT.
122.25 123.00 Interflow sediment.
123.00 134.74 DIORITE.
134.74 138.07 Mafic intrusive.
138.07 140.56 DIORITE.
140.56 142.04 MONZONITE.
142.04 177.22 DIORITE.
177.22 177.46 FAULT ZONE.
177.46 203.00 DIORITE.
203.00 206.62 VARIABLY SILICIFIED BASALT.
206.62 211.15 HIGH MAG BASALT.
211.15 214.24 VARIABLY SILICIFIED BASALT.
214.24 270.05 DIORITE.
270.05 END OF HOLE.

Hole logged in extremely poor lighting..

From	To	Description	Sample	From	To	Length	% Sul	GW	Au

.00 23.77 OVERBURDEN

23.77 29.20 HIGH MAG BASALT

Fine grained to very fine grained dark green massive flow. Strongly magnetic. Blocky, highly fractured core weathered zone. Minor carbonate epidote fracture filling. Base is ground core. Non-reactive to HCl.

29.20 72.78 DIORITE

Fine to medium grained dark green to grey-green massive rock. Strongly magnetic.

29.20 32.30 Blocky, highly fractured core. 1.83 metres ground core. Carbonate weathered from fractures. Zone was cemented.

32.30 34.73 Fine to medium grained dark green massive intrusive. Strongly magnetic.

34.73 35.91 Lamprophyre. Brown green fine grained intrusive. Biotite up to 4 mm. Rare feldspar phenocrysts up to 1.5 mm at contacts. Non-reactive to HCl. Sharp sheared contacts 18 degrees to the core axis. Strongly magnetic.

35.91 51.93 Medium grained to coarse grained massive intrusive. Strongly magnetic. Chloritic mafic laths up to 8 mm. White feldspars up to 3 mm. 2 to 5% disseminated magnetite crystals. Minor pyrite.

51.93 58.70 Medium grained dark green to black massive intrusive. White feldspar phenocrysts up to 3 mm in black fine grained matrix. Strongly magnetic. Fines down section. 40% hornblende at top, 10% at base. Non-reactive to HCl. Base is blocky, highly fractured core

58.70 69.14 Green fine grained massive rock. Chloritic mafics in felsic matrix. Abundant quartz stringers with epidote at base. Low pyrite.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
72.78	91.08	HIGH MAG BASALT							
			26601	82.06	82.53	.47	1-2	.009	.02
		Dark green fine grained massive flow. Strongly magnetic. Rare quartz stringers with epidote.							
		82.06 82.33 Quartz veining with silicification of wallrock. 1 to 2% pyrite.							
91.08	95.03	VARIABLY SILICIFIED BASALT							
			26602	91.16	92.13	.97	1	.068	.07
			26603	92.13	93.13	1.00	TR-1	.000	nil
			26604	93.13	94.13	1.00	TR-1	.000	nil
		Fine grained grey-green to purple-grey silicified basalt. Poorly brecciated. With quartz - carbonate veining. Up to 1% pyrite. Pervasive silicification in basalt. Fragments of lamprophyre noted.	26605	94.13	95.03	.90	TR-1	.027	.03
		91.16 94.04 Weak pervasive carbonate alteration with brecciation. Local hematitic streak.							
		94.04 95.03 Minor quartz - carbonate stringers with pyrite in basalt.							
95.03	122.25	HIGH MAG BASALT							
		Dark green very fine grained to fine grained massive flow. Strongly magnetic decreasing down section. Minor quartz - carbonate stringers with epidote. Sharp base 40 degrees to the core axis.							
122.25	123.00	INTERFLOW SEDIMENT							
			26606	122.25	123.00	.75	3-5	.330	.44
		Fine grained dark green intensely foliated zone. SHEAR ZONE or sediment. 3 to 5% pyrite with bands of magnetite. Carbonate alteration breccia noted. Indistinct base.							
123.00	134.74	DIORITE							
			26607	123.00	124.00	1.00	1-2	.000	nil
		Dark green to black. Fine to medium grained massive							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au
		rock. Black hornblende laths up to 4 mm. Trace magnetite locally. Rare carbonate - quartz filled fracture.							
134.74	138.07	MAFIC INTRUSIVE							
		Fine grained green massive intrusive. Hematitic streak common. Strongly magnetic. Intense pervasive carbonate alteration. Abundant carbonate filled fracture. Magnetite fracture filling noted. Fine leucoxene in less altered section. 1% pyrite.	26608	134.74	135.77	1.03	2-3	.206	.20
			26609	135.77	136.84	1.07	1-2	.000	nil
			26610	136.84	137.94	1.10	1	.000	nil
		134.80 Clay seam 50 degrees to the core axis. 2 to 3% pyrite in adjacent rock. 10 mm anealed fault gouge.							
138.07	140.56	DIORITE							
		Dark green medium grained massive rock. Hornblende laths up to 5 mm in felsic matrix. Weakly magnetic locally. Continuation of overlying diorite.							
140.56	142.04	MONZONITE							
		Red-brown fine grained intrusive. Strongly magnetic. Intense pervasive carbonate alteration. Feldspar phenocrysts up to 2 mm. Black biotite up to 2 mm. Sharp intrusive contacts.							
142.04	177.22	DIORITE							
		Dark green to black, fine to coarse grained massive rock. Hornblende laths up to 8 mm locally. 1 to 3% magnetite, most abundant in fine grained zones. Rare carbonate - quartz filled fracture. Fines at base.							
		146.69 147.22 Green to brown green monzonite. Strongly magnetic. Weak carbonate alteration. Biotite up to 2 mm. Same as overlying intrusive but less altered. Sharp intrusive contacts. Top is fault plane 22 degrees to the core axis.							

From	To	Description	Sample	From	To	Length	% Sul	GM	Au
177.22	177.46	FAULT ZONE Blocky, highly fractured core, ground core. Green to pink soft intrusive. Strongly magnetic. 2 to 3% pyrite. 2 to 3% magnetite. Clay seam at top is 40 degrees to the core axis.	26611	177.22	177.46	.24	2-3	.547	2.28
177.46	203.00	DIORITE Dark green to black fine to medium grained rock. Continuation of overlying unit. Weakly to strongly magnetic. Rare quartz - carbonate stringers with epidote. Fines at base.							
203.00	206.62	VARIABLY SILICIFIED BASALT Rock is flow breccia with silicification of matrix and fragments adjacent to quartz carbonate alteration breccia zone. Silicification decrease down section. Strongly magnetic. 5 to 10% pyrite pyrrhotite + chalcopyrite in matrix. Carbonate alteration decreases down section. 203.00 203.14 Fine grained black lamprophyre. Sharp contacts. Biotite balls up to 3 mm. Intense pervasive carbonate alteration. 203.14 204.13 Pervasive carbonate alteration and. Silicification. 204.13 206.31 Silicification of matrix only. 206.13 206.62 Fine grained lamprophyre. Black with biotite balls up to 7 mm. Contacts 47 degrees to the core axis.	26612	203.00	203.98	.98	1-2	.039	.04
			26613	203.98	205.12	1.14	1-2	.034	.03
			26614	205.12	205.92	.80	5-10	1.208	1.51
			26615	205.92	206.62	.70	3-5	.000	nil
206.62	211.15	HIGH MAG BASALT Flow breccia. Strongly magnetic. Brecciation becomes poorly developed down section. Matrix is often pyrite pyrrhotite, decreasing down section. 209.07 209.28 Very fine grained brick red syenite. Non-reactive to HCl. Sharp intrusive contacts.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
		210.48 211.15 Fine grained massive basalt. Non-magnetic.							
211.15	214.24	VARIABLY SILICIFIED BASALT							
		Dark green massive basalt with silicification along fractures and in carbonate alteration breccia bands. Magnetic. Minor quartz stringers with silicification of wallrock. Brown dolomitization of fragments noted with most intense brecciation. 2 to 3% pyrite.	26616	211.15	212.20	1.05	2-3	.074	.07
			26617	212.20	213.24	1.04	1-2	.031	.03
			26618	213.24	214.24	1.00	1-2	.010	.01
		211.15 213.24 Fine grained green massive mafic intrusive. Sharp top contact with feldspar phenocrysts.							
		213.74 213.87 Buff green foliated zone of carbonate alteration. 2 to 3% pyrite. 1 to 2% magnetite.							
		214.16 214.24 Buff green zone of carbonate alteration. 1 to 2% pyrite. 1 to 2% magnetite.							
214.24	270.05	DIORITE							
		Dark green to black fine to medium grained massive [illegible] Hornblende laths up to 2 mm. Strongly magnetic.	26619	221.21	222.68	.85	1-2	.085	.10
			26620	222.68	223.55	.89	1-2	.151	.17
			26621	231.40	232.12	.72	TR-1	.058	.08
		[illegible] fine to medium grained dark green to black strongly magnetic rock. Minor carbonate - quartz filled fracture.							
		[illegible] Zone of pervasive carbonate alteration.							
		221.81 221.92 Quartz vein. 1 to 2% pyrite.							
		221.92 222.03 Silicified breccia zone. Brown dolomitization of fragments noted.							
		223.20 223.34 Quartz vein. Carbonate alteration brecciation and silicification of wallrock. 1 to 2% pyrite.							
		223.55 231.82 Fine to medium grained massive intrusive or flow. Dark green to black. Strongly magnetic. Hornblende laths up to 8 mm in felsic matrix noted in coarser sections.							
		231.82 232.91 Blocky, highly fractured core. Continuation of overlying unit but carbonate weathered from fractures. No fault gouge noted. Fractures with epidote and pyrite.							
		232.91 240.25 Continuation of overlying intrusive. Fine to medium grained strongly magnetic. Rare quartz - carbonate stringers with epidote.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
240.25	270.05	Medium to coarse grained grey-green to dark green massive rock. Strongly magnetic. Up to 10% magnetite common. Most abundant in fine grained sections. Feldspar laths up to 2 mm often common. Hornblende laths up to 8 mm. Rare quartz - carbonate stringers with minor pyrite. Minor quartz veinlets.							
270.05		END OF HOLE.							

Ontario

Assess. hib.

The Mining Act 2.9/87 of Work (Geological, Geophysical, Geochemical and Expenditures)".

Harker Twp

Name and Postal Address of Recorded Holder	Prospector's Licence No.
American Barrick Resources Corporation	T 834
24 Hazelton Avenue, Toronto, Ontario M5R 2E2	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 885.98

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Pr
L	842507	200	
[redacted]	414444	114.3	
	414445	114.3	
	414446	114.3	
	430914	114.3	
	430915	114.3	
	430920	114.3	

32D12SW0060 52 HARKER

900

All the work was performed on Mining Claim(s): L-430920

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Philippon Diamond Drilling Inc.
829 Boul. Quebec
C.P. 788
Rouyn, Quebec
(819) 762-7731

Drilled between March 30, 1987 and April 9, 1987

Hole #Mc.87-321

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
JUL 14 1987
RECEIVED

MAY 26 1987
12.00 noon

RECORDED
MAY 26 1987
Receipt #

Date of Report	Recorded Holder or Agent (Signature)
May 25, 1987	

Certification Verifying Report of Work

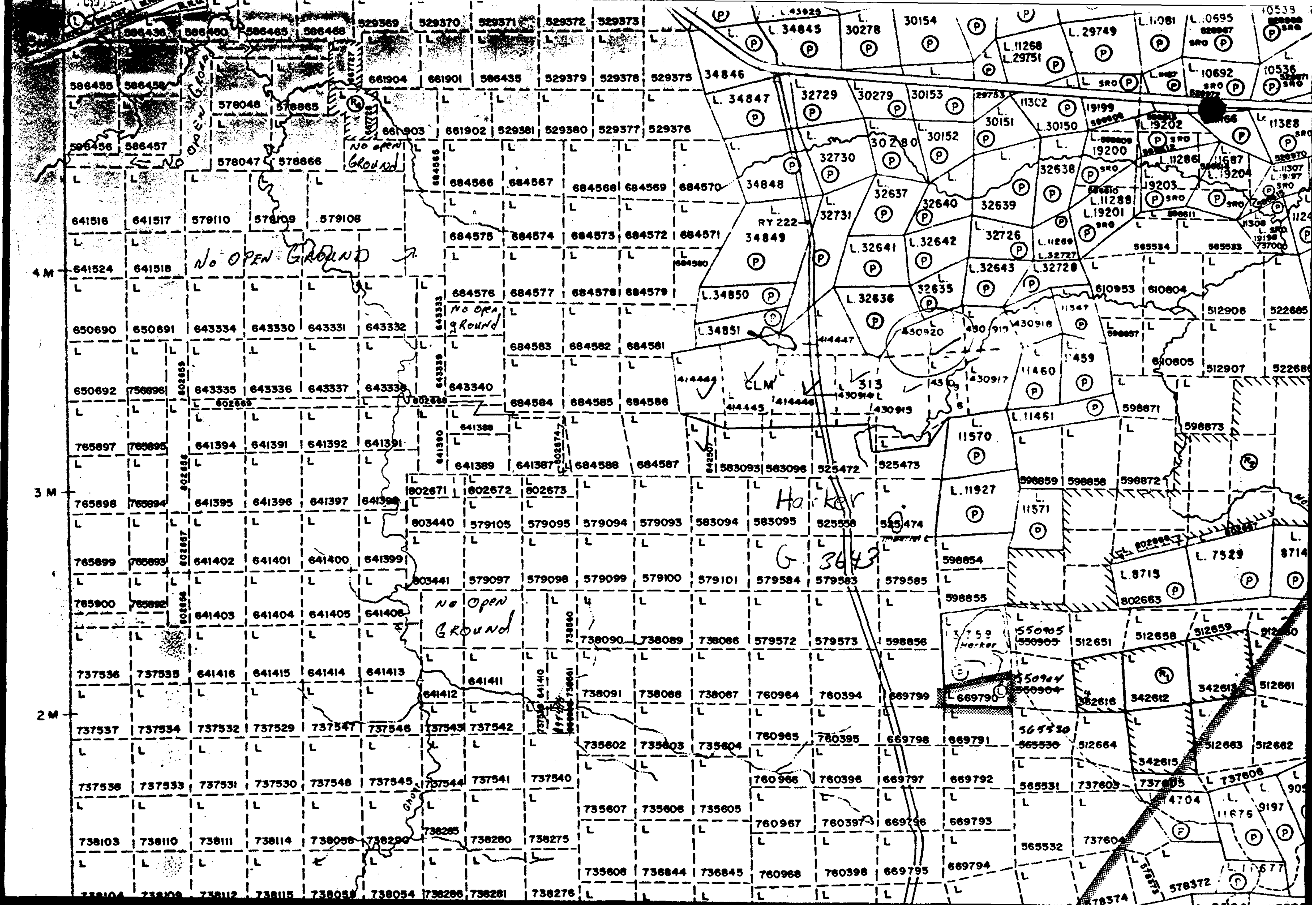
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying	Date Certified	Certified by (Signature)
M.E. Holt, American Barrick Resources Corporation 24 Hazelton Avenue Toronto, Ontario M5R 2E2	May 25, 1987	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other Information (Common to 2 or more types)	Attachments
l Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Sinking, Drifting or Lateral Work			
ressed air, other power or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

768 (81/3)



No OPEN GROUND
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Harker
G 3643
CLM
4 M
3 M
2 M