010

DIAMOND DRILLING

TOWNSHIP: HARKER REPORT NO:55

WORK PERFORMED FOR: American Barrick Resources

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

Claim No.	Hole No.	Footage	Date	Note
641404	MC87-367	285.3	July/87	(1)
641404	MC87-368	254.8	July-Aug/87	(1)
	2	540.1'		

NOTES: (1) #402-87, filed in April/88.

Ministry of Natural Resources — Ontario

Report of Work — Harker Twp.

assess. Lib.

402/87

The Mining Act

32D05NW0376 55 HARKER

900

Name and Postal Address of Recorded Holder

American Barrick Resources Corporation

Prospector's Licence No. T 834

24 Hazelton Avenue, Toronto, Ontario M5R 2E2

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 1620

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.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L	641387	60	L	641395	60	L	641403	60
	641388	60		641396	60		641404*	60
							641405	60
	641389	60		641397	60		641406	60
	641390	60		641398	60		641410	60
	641391	60		641399	60		641411	60
	641392	60		641400	60		641412	60
	641393	60		641401	60		641413	60
	641394	60		641402	60		641414	60
							641415	60
							641416	60

All the work was performed on Mining Claim(s): L-641404

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

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

American Barrick Resources Corp.
P.O. Box 278
953 Government Road, West
Kirkland Lake, Ontario
(705) 567-4941

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE NOV 6 19

RECEIVED LAND MANAGEMENT BRANCH OCT 8 1987 11:45am

RECORDED OCT 8 1987 Mining Lands Section

Date of Report	Recorded Holder or Agent (Signature)
October 2/87	Paul M. Kavanagh

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

Paul M. Kavanagh, Senior Vice President, Exploration

American Barrick Resources Corp.
24 Hazelton Avenue, Toronto M5R 2E2

Date Certified	Certified by (Signature)
October 2/87	Paul M. Kavanagh

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
Manual 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.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven 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)

AMERICAN BARRICK RESOURCES CORPORATION

DIAMOND DRILL RECORD

o-ords: [redacted] 738.2

zimuth: 360.0

ip: -55.0

levation: 4995.0

ength: 285.3

easurement:

omments: Casing left in hole

Section: 600W

Core Size: BQ

HOLE NO.: MC.87-367

Property: West Block

Location: 6+00W 8+50S

Date Started: July 22,1987
Date Completed: July 28, 1987
Logged by: N.Downey

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-51.0	137.16		-49.0	228.60		-48.5
91.44		-51.0	182.88		-48.0	274.32		-48.0

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

.00 24.38 OVERBURDEN.
24.38 123.67 ARKOSE.
123.67 124.12 LAMPROPHYRE.
124.12 134.13 ARKOSE.
134.13 134.49 LAMPROPHYRE with fault gouge.
134.49 204.40 ARKOSE.
204.40 261.97 CARBONACEOUS SEDIMENTS.
261.97 265.95 VARIABLY SILICIFIED ZONE (undetermined).
265.95 270.65 ARKOSE.
270.65 279.57 VARIABLY SILICIFIED ZONE (undetermined).
270.65 271.59 80% SILICIFIED.
271.59 273.15 30% SILICIFIED.
273.15 273.57 Mafic intrusive.
273.57 275.10 20% SILICIFIED.
275.10 275.57 Mafic intrusive.
275.57 279.18 10% SILICIFIED.
279.18 283.23 30% SILICIFIED.
283.23 283.83 Mafic intrusive.
283.83 285.29 10% SILICIFIED.

285.29 END OF HOLE.

Paul M. Kavanagh

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
.00	24.38	OVERBURDEN							
24.38	123.67	ARKOSE							
			33109	67.00	68.00	1.00	TR	.000	nil
			33110	68.00	69.00	1.00	1-2	.120	.12
			33111	69.00	70.00	1.00	NIL	.000	nil
			33112	111.00	112.00	1.00	TR	.160	.16

A sequence of intercalated granular textured arkose to grit and very fine grained argillite to silt. The rocks vary from medium to dark grey-green, grey and brownish in colour, and exhibit resonably well defined layering at 20 - 30 degrees to the core axis. Arkose units dominate the sequence, and are essentially a clean sand with megascopically visible grains of quartz and feldspar +/- weak to moderate alteration from chlorite and ankerite. Graded bedding is locally noted within the arkosic units indication an up-hole top direction. Arkosic units range from 1 to 6 meters in core length.
The argillite - silt units range from a few cms up to a meter in core length and are very fine grained. Some of these units appear weakly silicified and are locally more susceptible to silicification from adjacent veining. The sediments are weakly fractured to poorly veined with chlorite and stringers of calcite and carbonate-quartz. Locally some of the fractures are healed with silica +/- variable amounts of biotite, epidote and pyrite. The rocks are very sparsely mineralized with pyrite and are non-magnetic.
From 66 - 73 meters the core is blocky with a narrow badly broken FAULT ZONE to breccia zone from 72.80 - 72.92 meters. Only traces of mud are noted along some of the remaining fragments. Also within this section from 68.40 - 68.68 there is a narrow unit of silt with accessory veining, fracturing and pyrite mineralization.
Around 100 meters the arkosic units are gradationally coarser grained with grains of quartz, feldspar and tiny rock fragments from 1 - 2 mm in size. The banding is also slightly steeper in this area from 20 - 40 degrees to the core axis. The rocks continue to be ankeritic and there are local fracture zones with accessory pyrite and alteration.
The lower contact is very fine grained, cooked and chloritic over 50 cm.

23.67 124.12 LAMPROPHYRE

From	To	Description	Sample	From	To	Length	% Sul	GW	Au

A narrow, dark, granular textured dyke of LAMPROPHYRE with contacts at 20 degrees to the core axis. The dike is strongly calcitic and biotitic, and is weakly to moderately magnetic. The rock varies from dark grey-green to dark green in colour, is medium grained to granular textured and contains fine grained mafic bands or fracture zones that appear to be the more strongly magnetic portions of the unit.
Contacts of the unit are clean and sharp with the adjacent sediments being cooked, chloritized, and pervasively altered with calcite over rougjly 50 cm. Portions of the adjacent sediments are bluish in colour from chlorite.

24.12 134.13 ARKOSE

A section of grey green to dark green and brownish coloured ARKOSE and ARGILLITE as described above, sitting between two dikes of LAMPROPHYRE. The majority of the section is arkosic and granular textured with some accessory chlorite and biotite alteration at the fringes of the zone.
The rocks are moderately ankeritic, weakly to moderately chloritic, variably veined with 5 - 15% calcite stringers and very sparsely mineralized with pyrite. The lower contact is sharp at 30 degrees to the core axis with accessory biotite and chlorite over the basal 35 cm.

34.13 134.49 LAMPROPHYRE

A second narrow dike of LAMPROPHYRE that is strongly altered with chlorite, calcite and biotite and contains two narrow fault gouge zones at 134.15 at 35 degrees and 134.22 at 40 degrees to the core axis. The dike is dull grey-green to brownish in colour, is non-magnetic and is very poorly veined.
The lower contact is sharp at 30 degrees to the core axis with the adjacent sediments being moderate to strongly foliated over 10 cm.

From	To	Description	Sample	From	To	Length	% Sul	GM	Au
34.49	204.40	ARKOSE							

Return to granular textured ARKOSE intercalated with fine grained to very fine grained units of ARGILLITE as described above. The rocks vary from medium to dark grey-green, grey and brownish in colour, are weakly to moderately ankeritic, poorly veined and sparsely mineralized with pyrite. As previously noted some of the fractures within the sediments are healed with epidote and biotite along with associated calcite, silica and more rarely pyrite.
There are also some very narrow dikelets of calcitic LAMPROPHYRE near the top of the zone at 138.00, 2 cm along the core axis, 138.32 meters, 1 cm at 38 degrees to the core axis, 138.35, 1 cm at 40 degrees to the core axis and at 139.33 a 1 cm irregular dike running along the core axis. As before the dikes are calcitic and biotitic with sharp, cooked, chloritized contacts.

149.5 Bedding is at 30 degrees to the core axis.

157.16 - 157.28 - quartz - carbonate veinlets. Trace pyrite.

162.39 204.40 Fine grained, dark grey-green to black argillite becomes abundant. Forms 40% of rock. Grey - grey-green arkosic beds contain clasts of argillite up to 8 mm. Tops up. Arkosic beds up to 2 meters thick. Minor quartz - carbonate stringers. Pyrite noted on fractures. Ankerite is abundant.

185.00 - Bedding is at 40 degrees to the core axis.

191.35 - Graded bedding at 45 degrees to the core axis. Tops up.

204.40 261.97 CARBONACEOUS SEDIMENTS

The rock is grey to black and fine to very fine grained. Bedding laminations frequently exhibit signs of soft sediment deformation. Locally developed graded bedding indicates that tops are up. Very fine grained, pyritic bands are observed which are probably primary in origin. Black carbonaceous argillite. With grey tuffaceous laminations and beds. Late white carbonate filled fracture occurs locally.

Sample	From	To	Length	% Sul	GM	Au
37345	209.09	209.59	.50	TR	.005	.01
37346	212.00	213.00	1.00	TR-1	.030	.03
37347	213.00	214.00	1.00	TR-1	.000	nil
37348	214.00	215.00	1.00	TR-1	.010	.01
37349	215.00	216.00	1.00	TR-1	.030	.03
37350	216.00	217.00	1.00	TR-1	.020	.02
37351	217.00	218.00	1.00	TR-1	.000	nil
37352	218.10	219.00	.90	TR-1	.000	nil
37353	219.00	220.00	1.00	TR-1	.000	nil
37354	220.00	221.00	1.00	TR-1	.010	.01

From	To	Description
	204.40	212.14 - black laminated graphitic argillite. Grey laminations and beds of tuff, up to 40 mm, minor white carbonate filled fracture increasing down section. Primary pyrite laminations common. 209.0 - Bedding is at 48 degrees to the core axis. 209.12 - 209.36 - brown green silicified zone. Silicification radiates from fractures, non-reactive to HCl. Trace ankerite. Minor pyrite.
212.14	218.10	- blocky, highly fractured core. Continuation of overlying CARBONACEOUS SEDIMENTS, but ground core. Zone of numerous fault planes. Some blocks of core are silicified. Quartz stringer are locally abundant, percentage of silicification is not known because of lost and ground core. Cherts are present in this section. 30% ground core. 217.3 - Fault plane is at 20 and 40 degrees to the core axis.
218.10	221.00	- black CARBONACEOUS SEDIMENTS and argillite with grey tuffaceous bands. Locally primary pyrite laminations noted. Locally 'cherty', up to 1% pyrite locally.
221.00	236.30	- Dominantly grey clastic (tuffaceous?), silty beds. Minor black argillite beds. Rare chert laminations noted. Rare carbonate fracture filling. Pervasive ankerite.
236.35	248.40	- black graphite rich argillite is dominant. A minor amount of primary (?) chert is noted locally. Soft sediment deformation is observed locally. Very fine grained, pyritic bands are observed which are probably primary in origin. Late fractures are white carbonate filled. Minor fault or slippage planes are noted parallel to bedding. Grey felsic silty beds are common, locally contain pyrite. 246.0 - Bedding is at 63 degrees to the core axis.
248.40	261.97	Dominantly grey clastic (tuffaceous?), silty beds. Minor black carbonaceous argillite. Argillite decrease down

Sample	From	To	Length	% Sul	GW	Au
37355	221.00	222.00	1.00	TR	.010	.01
37356	235.35	236.30	.95	TR-1	.000	nil
37357	236.30	237.30	1.00	TR-1	.000	nil
37358	237.30	238.30	1.00	TR-1	.015	.01
37359	238.30	239.30	1.00	TR-1	.000	nil
37360	239.30	240.30	1.00	1	.030	.03
37361	240.30	241.30	1.00	1	.020	.02
37362	241.30	242.30	1.00	1	.000	nil
37363	242.30	243.30	1.00	1	.000	nil
37364	243.30	244.30	1.00	1	.000	nil
37365	244.30	245.30	1.00	1	.000	nil
37366	245.30	246.30	1.00	TR-1	.000	nil
37367	246.30	247.30	1.00	TR-1	.000	nil
37368	247.30	248.40	1.10	1	.000	nil
37369	248.40	249.40	1.00	TR	.000	nil
37370	249.40	250.02	.62	TR	.000	nil
37371	250.02	250.57	.55	TR-1	.000	nil

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
		section, becoming absent at base. Minor carbonate filled fracture. 250.1 - 250.3 blocky, highly fractured core 250.3 - 250.5 - quartz veinlets with grey silicification of wallrock. Minor pyrite. 254.25 - Clay seam at 20 degrees to the core axis, weak quartz - carbonate stringer							
261.97	265.95	VARIABLY SILICIFIED ZONE (UNDETERMINED) 40% Brown green to grey green silicification of arkosic sediment. Silicification occurs adjacent to fractures and quartz stringers. Brown alteration breccia occurs at top of zone with quartz injections. Abundant ankerite. Up to 1% pyrite occurs locally with most intense alteration. 262.30 Clay seam at 40 degrees to the core axis.	37372	261.97	263.00	1.03	TR-1	.000	nil
			37373	263.00	264.00	1.00	TR	.000	nil
			37374	264.00	265.00	1.00	TR	.000	nil
			37375	265.00	270.65	5.65	TR-1	.056	.01
265.95	270.65	ARKOSE Grey-green fine grained well bedded arkose. Silt to fine sand size is dominant. Carbonate - quartz filled fracture is common. Abundant ankerite. 266.2 Bedding is at 45 degrees to the core axis. 269.40 - 270.02 grey-green fine grained mafic intrusive. Strongly magnetic. Pervasive carbonate alteration. Sharp chloritized contact.							
270.65	275.57	VARIABLY SILICIFIED ZONE (undeterained). Fine grained grey-green well bedded arkosic sediment with silicification developed adjacent to quartz stringers and fractures. Narrow zones of alteration developed. Brown dolomitized fragments are rarely noted. Pyrite is low. Zone is cut by narrow mafic intrusives.							
270.65	271.59	80% SILICIFIED							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
			37376	270.65	271.50	.85	1-2	.026	.03
			37377	271.50	272.50	1.00	TR-1	.010	.01
		80% grey - grey-green silicification breccia. Abundant quartz veinlets. 1% pyrite.							
271.59	273.15	30% SILICIFIED							
			37378	272.50	273.15	.65	TR-1	.023	.04
		30% Grey-green silicification of arkosic sediment. Silicification occurs adjacent to quartz stringer. White carbonate fracture filling common. Trace to 1% pyrite. 272.00 272.50 - blocky, highly fractured core. Fractured rock ground by drillers. No fault zone.							
273.15	273.57	MAFIC INTRUSIVE							
			37379	273.15	273.57	.42	1	.000	nil
		Fine grained dark green massive intrusive. Strongly magnetic. Reactive to HCl. Sharp contacts, carbonate filled fracture common. 1% pyrite.							
273.57	275.10	20% SILICIFIED							
			37380	273.57	274.57	1.00	TR-1	.000	nil
			37381	274.57	275.10	.53	TR-1	.000	nil
		20% Grey-green to brown green silicification of arkosic sediment adjacent to quartz stringers. Trace pyrite.							
275.10	275.57	MAFIC INTRUSIVE							
			37382	275.10	275.57	.47	TR	.005	.01
		Fine grained dark green massive intrusive. Sharp contacts, strongly magnetic. Reactive to HCl. Carbonate - quartz filled fracture common.							
275.57	279.18	10% SILICIFIED							
			37383	275.57	276.50	.93	TR	.000	nil

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
			37384	276.50	277.50	1.00	TR	.000	nil
		10% Grey-green silicification of fine grained green arkosic sediment. Silicification occurs adjacent to quartz stringers. Minor carbonate filled fracture. Abundant ankerite. Trace pyrite.	37385	277.50	278.50	1.00	TR	.000	nil
			37386	278.50	279.18	.68	TR	.000	nil
279.18	283.23	30% SILICIFIED							
			37387	279.18	280.20	1.02	TR	.071	.07
			37388	280.20	281.20	1.00	TR	.000	nil
		30% Grey-green silicification of arkosic sediment. Silicification occurs adjacent to quartz stringers and locally as alteration breccia. White carbonate filled fracture common. Trace pyrite.	37389	281.20	282.20	1.00	TR	.030	.03
			37390	282.20	283.23	1.03	TR	.010	.01
		281.02 - 281.43 - fine grained zone - clay seams at 43 and 60 degrees to the core axis. Zone was annealed then clay seams developed.							
283.23	283.83	MAFIC INTRUSIVE							
			37391	283.23	283.83	.60	TR	.000	nil
		Dark green fine grained massive intrusive. Weakly magnetic locally. Reactive to HCl. Trace pyrite.							
283.83	285.29	10% SILICIFIED							
			37392	283.83	284.83	1.00	TR-1	.000	nil
		Less than 10% silicification of sediment or possible basalt. Silicification occurs adjacent to quartz stringers. Trace pyrite. No bedding developed. Base may be a flow. Non-reactive to potassium ferricyanide.							
		285.29 END OF HOLE.							

AMERICAN BARRICK RESOURCES CORPORATION

DIAMOND DRILL RECORD

o-ords: [redacted]7 705.4

zimuth: 360.0

ip: -56.0

levation: 4996.0

ength: 254.8

easurement: Metric

omments: Casing left in hole

HOLE NO.: MC.87-368

Property: West Block

Section: 600W

Core Size: BQ

Location: L6+00W 9+75S

Date Started: July 28, 1987
Date Completed: Aug 4, 1987
Logged by: N.Downey

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-55.5	137.16		-55.0	228.60		-54.0
91.44		-56.5	182.88		-53.0			

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

.00 7.40 OVERBURDEN.
7.40 11.41 Mafic intrusive.
11.41 40.32 Felsic intrusive.
40.32 59.90 HIGH MAG BASALT.
59.90 68.87 Felsic intrusive.
68.87 74.07 Mafic intrusive.
74.07 75.67 Felsic intrusive.
75.67 99.25 BASALT.
99.25 101.13 Felsic intrusive.
101.13 101.58 BASALT.
101.58 104.88 VARIABLY SILICIFIED ZONE (undetermined).
104.88 118.51 ARKOSE.
118.51 121.25 Mafic intrusive.
121.25 129.30 ARKOSE.
129.30 148.75 CARBONACEOUS SEDIMENTS.
148.75 150.30 GREYWACKE.
150.30 152.00 Mafic intrusive.
152.00 160.00 ARKOSE.
160.00 162.41 Mafic intrusive.
162.41 254.81 ARKOSE.

254.81 END OF HOLE.

Paul W. Kavanagh

om	To	Description	Sample	From	To	Length	% Sul	GW	Au
.00	7.40	OVERBURDEN							
7.40	11.41	MAFIC INTRUSIVE							
			37393	10.41	11.41	1.00	TR	.000	nil
		Green fine grained strongly magnetic mafic intrusive. Abundant ankerite. White carbonate filled fracture common, epidotization developed locally adjacent to fractures. Contains narrow zones of underlying felsic intrusive.							
1.41	40.32	FELSIC INTRUSIVE							
			37394	11.41	12.50	1.09	TR	.000	nil
			37395	12.50	13.50	1.00	TR	.000	nil
		Fine grained - very fine grained, grey-green to grey matrix with abundant white feldspar phenocrysts, 2 - 3 mm. Epidotization common along fracture. Weakly reactive to potassium ferricyanide. Non-magnetic. Brown green to pink alteration noted locally, adjacent fractures. Less than 1% pyrite as local blebs. At base feldspar phenocrysts form up to 80% of rock. Chilled base with quartz - carbonate veinlet. Minor quartz - carbonate stringer with abundant pyrite throughout section.	37396	13.50	14.50	1.00	TR	.000	nil
			37397	14.50	15.50	1.00	TR	.000	nil
			37398	15.50	16.50	1.00	TR	.000	nil
			37399	19.00	20.00	1.00	TR-1	.000	nil
			37400	20.00	21.00	1.00	TR-1	.000	nil
			37401	21.00	22.00	1.00	TR-1	.000	nil
			37402	22.00	23.00	1.00	TR	.000	nil
			37403	27.00	28.00	1.00	TR-1	.000	nil
			37404	28.00	29.00	1.00	TR	.010	.01
			37405	29.00	30.00	1.00	TR	.000	nil
			37406	30.00	31.00	1.00	TR	.080	.08
0.32	59.90	HIGH MAG BASALT							
		Fine grained green massive flow. Strongly magnetic. Quartz - carbonate filled fracture common, often with epidote. Trace pyrite noted locally. May be a mafic intrusive.							
9.90	68.87	FELSIC INTRUSIVE							
		Green fine grained matrix with white feldspar							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
		phenocrysts 2 - 3 mm forming 60 to 80% of rock. Sharp intrusive contact with minor epidotization. Non-magnetic. Non-reactive to HCl. Minor carbonate - quartz filled fracture. Numerous inclusion of overlying basalt. Moderately reactive to potassium ferricyanide. 63.8 - 64.9 - magnetic basalt inclusion. Abundant pyrite at lower contact. 65.22 - 66.24 - magnetic basalt inclusion. 67.14 - 67.97 magnetic basalt inclusion.							
68.87	74.07	HIGH MAG BASALT	37407	73.10	74.07	.97	1	.000	nil
		Fine grained green massive flow. Strongly magnetic. Abundant ankerite. Minor quartz - carbonate filled fracture with epidote. Magnetite is replaced by pyrite at lower contact.							
74.07	75.67	FELSIC INTRUSIVE	37408	74.07	75.00	.93	TR-1	.670	.72
			37409	75.00	75.67	.67	1	.067	.10
		Very fine grained, grey siliceous intrusive. Cherty texture. No feldspar phenocrysts. Foliated contacts with basalt. Top poorly foliated at 38 degrees to the core axis. Base intensely foliated at 45 degrees to the core axis.							
75.67	99.25	BASALT	37410	75.67	76.47	.80	TR	.000	nil
		Fine grained, green massive flow. Moderate magnetic at top. Becoming non-magnetic down section. Only minor carbonate - quartz filled fracture. Minor disseminated pyrite noted locally.							
99.25	101.13	FELSIC INTRUSIVE	37411	100.43	101.13	.70	TR-1	.000	nil
		Grey-green fine grained felsic intrusive. Grey-green feldspar phenocryst up to 3 mm often indistinct.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
		Reactive to potassium ferricyanide.							
01.13	101.58	BASALT							
			37412	101.13	101.58	.45	1	.306	.68
		Fine grained green foliated flow. Base of overlying flow. Foliation at 30 degrees to the core axis. Abundant fine grained leucoxene. 101.54 - Clay seam at 35 degrees to the core axis. 101.54 - 101.58 - breccia with angular clasts of sediment in basalt matrix.							
01.58	104.88	VARIABLY SILICIFIED ZONE (UNDETERMINED)							
			37413	101.58	102.58	1.00	TR-1	.030	.03
			37414	102.58	103.58	1.00	1-2	.110	.11
			37415	103.58	104.28	.70	1	.000	nil
			37416	104.28	104.88	.60	2	.012	.02
		60% SILICIFIED - 60% silicification of dark grey to black argillaceous sediment. Locally carbonaceous. Silicified zones are pale grey to brown grey, silicification is often pervasive radiating from fractures. Primary pyrite laminations noted locally. Up to 2% pyrite. Buff ankerite alteration occurs along fractures. 101.83 - 102.53 blocky, highly fractured core, white clay fault gouge occurs at 102.25, 25% lost core. Carbonate leached from fracture. 103.45 - 103.5 - white clay fault gouge. 104.88 - Chloritic clay seam at 20 degrees to the core axis. 104.28 - 104.88 - intensely silicified zone. Blocky, highly fractured core. Graphite fault plane noted on fragments. 2% pyrite. Fine yellow sericite developed. Quartz veinlet noted.							
04.88	118.51	ARKOSE							
			37417	104.88	105.88	1.00	TR	.000	nil
		Grey-green to grey fine grained well bedded sediment. Fine grained arkosic beds are dominant in section. Narrow argillite bands occur locally. Rare carbonate - quartz filled fracture. 111.5 - Bedding is at 43 degrees to the							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
		core axis. 114.0 - Bedding is at 40 degrees to the core axis.							
18.51	121.25	MAFIC INTRUSIVE Grey-green fine grained massive intrusive. Abundant mafic laths up to 1.5 mm. White feldspar phenocrysts up to 3 mm are common. Non-magnetic. Non-reactive to HCl.							
21.25	129.30	ARKOSE Grey-green to grey fine grained well bedded sediment. Fine grained arkosic beds are dominant. Narrow argillite bands occur locally. Continuation of overlying sediment. 126.75 - Bedding is at 45 degrees to the core axis.							
29.30	148.75	CARBONACEOUS SEDIMENTS The rock is grey to black and fine to very fine grained. A minor amount of primary (?) chert is noted locally. Bedding laminations frequently exhibit signs of soft sediment deformation. Very fine grained, pyritic bands are observed which are probably primary in origin. Late fractures are white carbonate filled. Minor fault or slippage planes are noted parallel to bedding. 129.30 133.18 Grey to black finely laminated sediment. Black graphitic argillite is dominant. Minor quartz stringers, have grey brown silicification in wallrock. 133.18 134.71 - blocky, highly fractured core, fault gouge. Zone of numerous clay-grit seams and abundant fault gouge, carbonate noted with fault gouge. 133.2 - 133.35 fault gouge. Fault plane at top is 35 degrees to the core axis. 134.71 Clay seam is at 47 degrees to the	37418	129.30	130.30	1.00	TR-1	.010	.01
			37419	130.30	131.30	1.00	TR-1	.020	.02
			37420	131.30	132.30	1.00	TR	.010	.01
			37421	132.30	133.18	.88	TR	.000	nil
			37422	133.18	134.00	.82	TR-1	.000	nil
			37423	134.00	134.71	.71	TR-1	.000	nil
			37424	134.71	135.71	1.00	TR-1	.000	nil
			37425	135.71	136.71	1.00	TR	.000	nil
			37426	136.71	137.71	1.00	TR	.025	.03
			37427	137.71	138.71	1.00	TR	.000	nil
			37428	138.71	139.71	1.00	TR	.000	nil
			37429	139.71	140.70	.99	TR	.000	nil
			37430	140.71	141.71	1.00	TR	.000	nil

From	To	Description	Sample	From	To	Length	% Sul	GM	Au

core axis.

134.71 148.25 Grey to black intensely laminated sediment. Black carbonaceous argillite is dominant. Minor primary pyrite. Soft sediment deformation common, clay seams parallel to bedding noted locally.
135.8 - Bedding is at 42 degrees to the core axis.
135.95 - Clay seams at 40 degrees to the core axis.
137.55 - Clay seams at 30 degrees to the core axis.
140.30 - 140.65 - numerous clay seams often chloritic.
147.3 - 147.85 - clay seams - 20 degrees to the core axis to parallel to core axis.

148.25 148.75 Fault gouge.
Grey-green fault gouge and brecciated sediment. Clay seam at top of zone is at 38 degrees to the core axis.

48.75 150.30 GREYWACKE

Grey-green fine grained laminated sediment. Bedding is well developed. Silt size is dominant in section. Numerous chloritic fractures parallel to bedding, and at 20 degrees to the core axis. Bedding is at 41 degrees to the core axis.

50.30 152.00 MAFIC INTRUSIVE

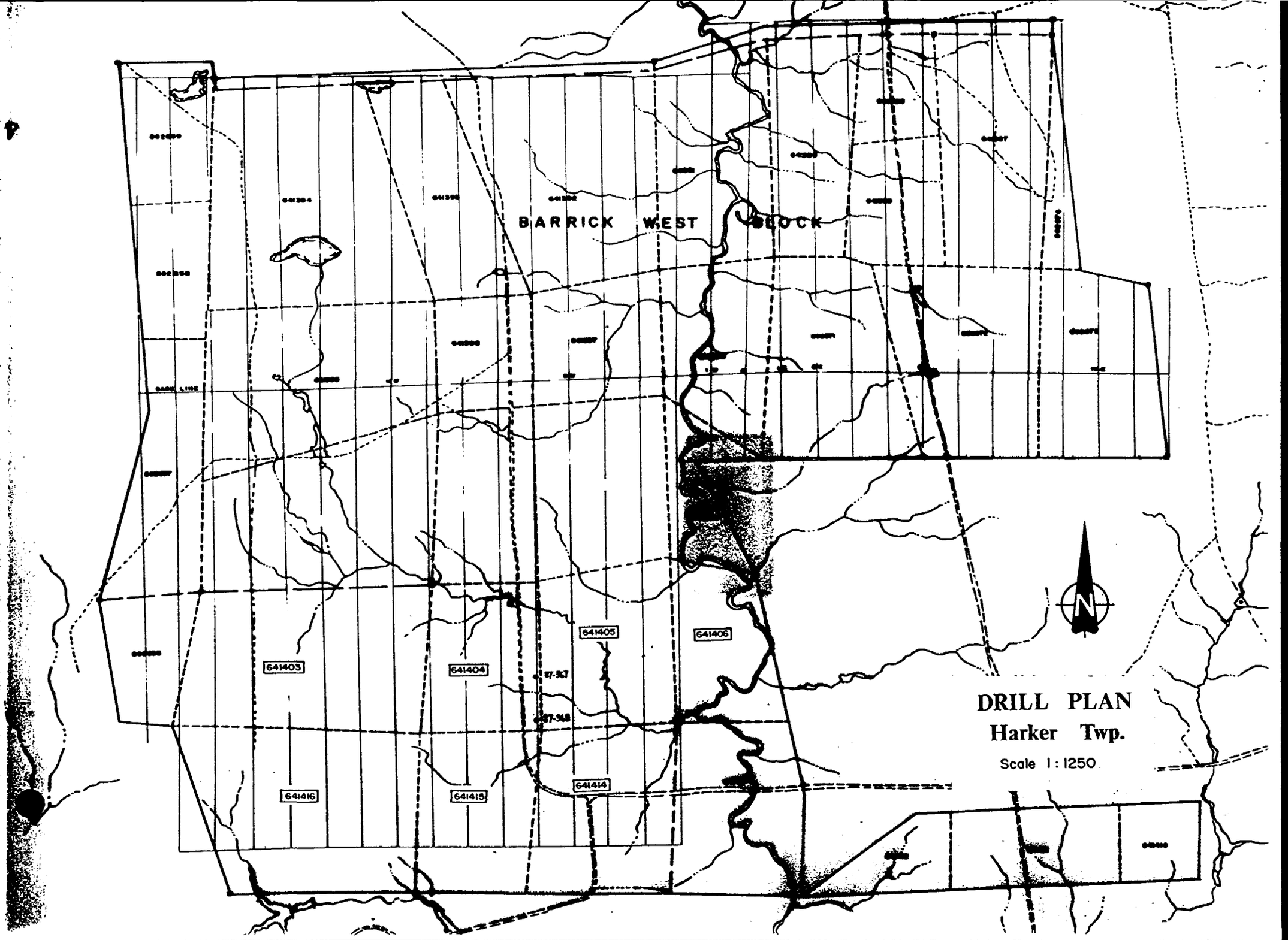
Fine grained green massive intrusive. Non-magnetic. Reactive to HCl. Minor carbonate - quartz stringers. Fractures parallel to core axis common. Sharp contacts. Base is fault plane - 5 degrees to the core axis.

52.00 160.00 ARKOSE

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
		Grey-green to grey arkosic sediment. Medium to fine sand size is dominant in section. Rare argillaceous bands. Several fining upward sequences show tops up. Coarser beds have white feldspar crystal fragments up to 1.5 mm. Minor carbonate - quartz filled fracture. 157.06 - 157.26 - fine grained grey-green mafic intrusive. Non-magnetic. Non-reactive to HCl. Sharp contacts.							
60.00	162.41	MAFIC INTRUSIVE							
		Fine grained green massive intrusive. Non-reactive to HCl. Non-magnetic. Rare white feldspar phenocrysts up to 1 mm. Minor pyrite. Numerous quartz - carbonate stringers locally with epidote. Reactive to potassium ferricyanide. Sharp chilled contacts. Top is at 60 degrees to the core axis, base at 80 degrees.							
62.41	254.81	ARKOSE							
		Grey - grey-green arkosic sediment. Bedding is well developed with coarser beds up to 1.5 mm thick. Feldspar crystal fragments up to 1 mm common in coarser beds. Finer fine grained dark grey argillaceous beds are minor part of unit. Rare quartz - carbonate stringers. Ankerite is pervasive throughout section. 176.0 - Bedding is at 40 degrees to the core axis. 181.96 - 182.16 - quartz vein, trace pyrite 182.88 - 183.10 - quartz-carbonate stringer, weak carbonate alteration of wallrock. Trace pyrite. 149.50 - Bedding is at 35 degrees to the core axis. 230.4 - Bedding is at 40 degrees to the core axis. 237.0 - Bedding is at 35 degrees to the core axis - graded bedding, tops up. 251.55 - 252.64 - carbonate - quartz veinlet parallel to core axis. Minor pyrite 254.79 - Clay seam is at 15 degrees to the core axis.	37431	181.90	182.50	.60	TR	.000	nil
			37432	182.50	183.25	.75	TR	.000	nil
			37433	251.55	252.64	1.09	TR	.011	.01

From	To	Description	Sample	From	To	Length	% Sul	GW	Au
		254.81 END OF HOLE.							

No OPEN GROUND
Harlan Twp.
No open Ground
No open Ground
CLM
RY 222
4 M
3 M
2 M
1 M
6 M
7 M
8 M
9 M
ELLIOTT TWP.


BARRICK WEST BLOCK
641403
641404
641405
641406
641414
641415
641416
N
DRILL PLAN
Harker Twp.
Scale 1:1250