

1979 DRILL PROGRAM

on

CR 1 CLAIM

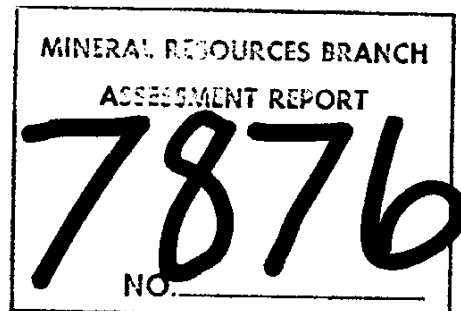
NICOLA MINING DIVISION, B.C.

NTS 92I/2W 50 deg. N ^{1.5'} 120 deg. W ^{37'}

FOR: PENTAGON RESOURCES LTD.

BY: T.W. ROLSTON - Project Manager
GORDON RICHMOND - P. Geologist

DATE: October, 1979



1979 DRILL PROGRAM

on

CR 1 CLAIM

NICOLA MINING DIVISION, B.C.

NTS 92I/2W 50 deg. N 120 deg. W

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PENTAGON RESOURCES LTD.
1979 DRILL PROGRAM, CRI CLAIM

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1979 DRILLING REPORT ON THE CRI CLAIM NICOLA M.D.
OWNED BY PENTAGON RESOURCES LTD.
1028 - 510 WEST HASTINGS STREET, VANCOUVER, B.C.

INTRODUCTION

During the months of June-July 1979, a diamond drill program was carried out on the CRI claim to test a geophysical VLF-EM anomaly.

LOCATION AND ACCESS: (50 deg N, 120 deg W) NTS 921/2W

The property consists of one claim (20 units) located 17 km. southeast of Merritt, B.C. on the east side of Highway No.5. The LCP is at the junction of Highway No.5 and Kane Valley Road, and approximately 500 metres north of Corbett Lake in the Nicola Mining Division, South-Central British Columbia.

DRILL PROGRAM

The drill contract was let to Raymond Drilling Ltd. of Vancouver B.C. The program consists of 5 diamond drill holes totalling 444.4 metres, using a Boyles B.B.S.-1 wire line size B.Q. core. The purpose of the drill program was to test geophysical VLF-EM anomalies in the vicinity of known copper sulphide mineralization in strike with an inclined shaft.

The following drill hole statistics:

DDH #1	Depth	77.8	metre	Vertical
DDH #2	"	92.7	"	"
DDH #3	"	78.3	"	"
DDH #4	"	80.9	"	"
DDH #5	"	115.5	"	-70 deg. bearing 270 deg.

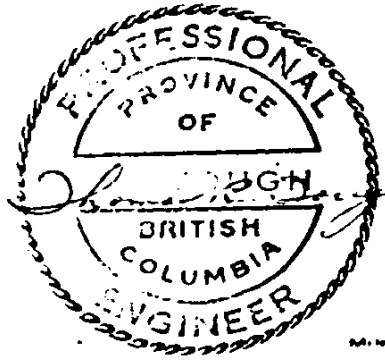
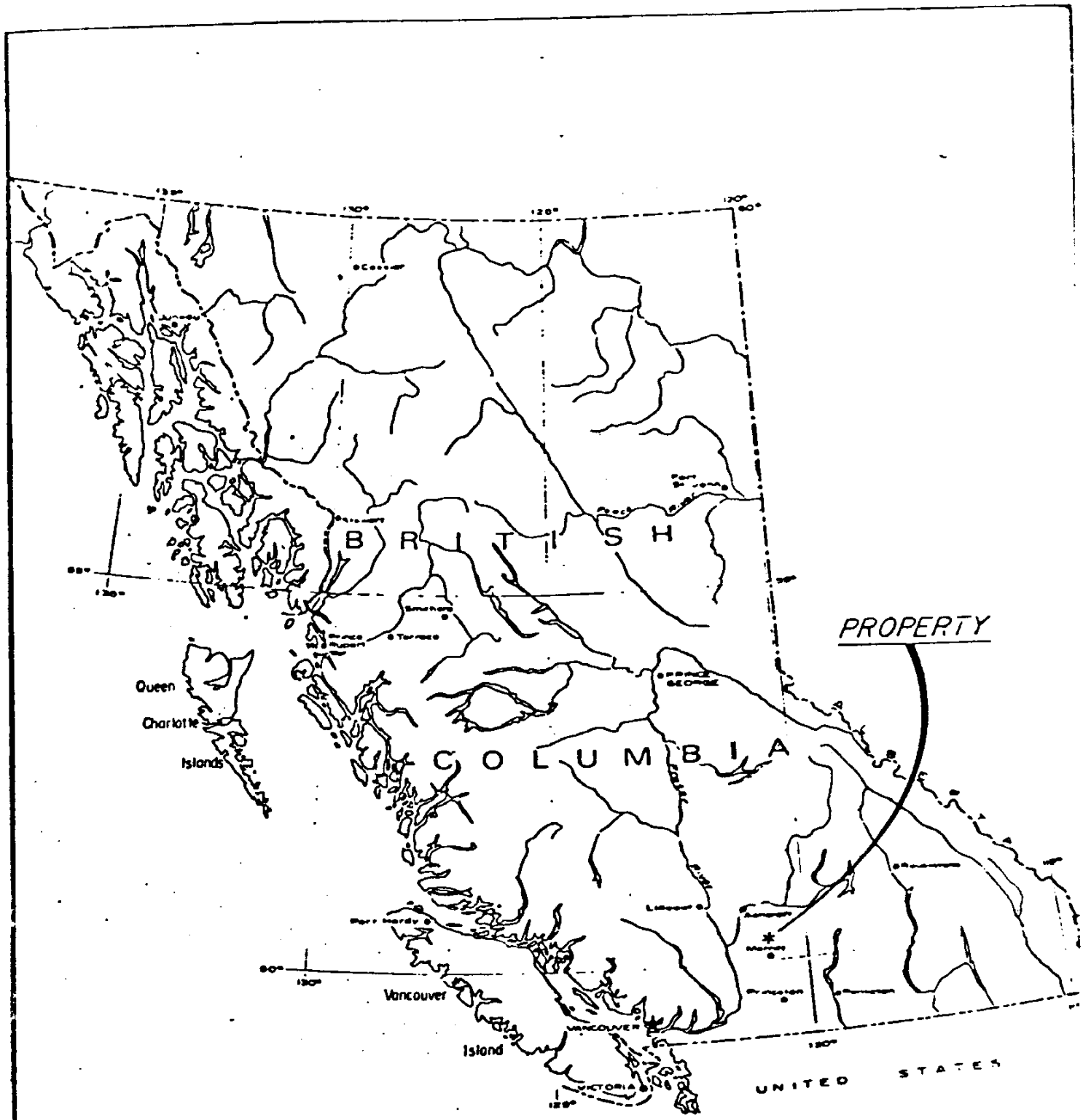
DDH #1 was logged on site by Sherwin F. Kelley, P.Eng. of Merritt, B.C.

DDH #2 through to #5 inclusive was logged by Cardon Richmond, geologist with W.G. Timmons, Consulting Geologists of Calgary, Alberta. The logged results showed no significant mineralization therefore no core was sent in for assays. The drill core is stored at 7050 Halligan Street, Burnaby, B.C.

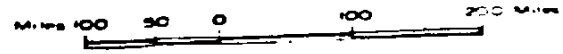
Respectfully submitted,

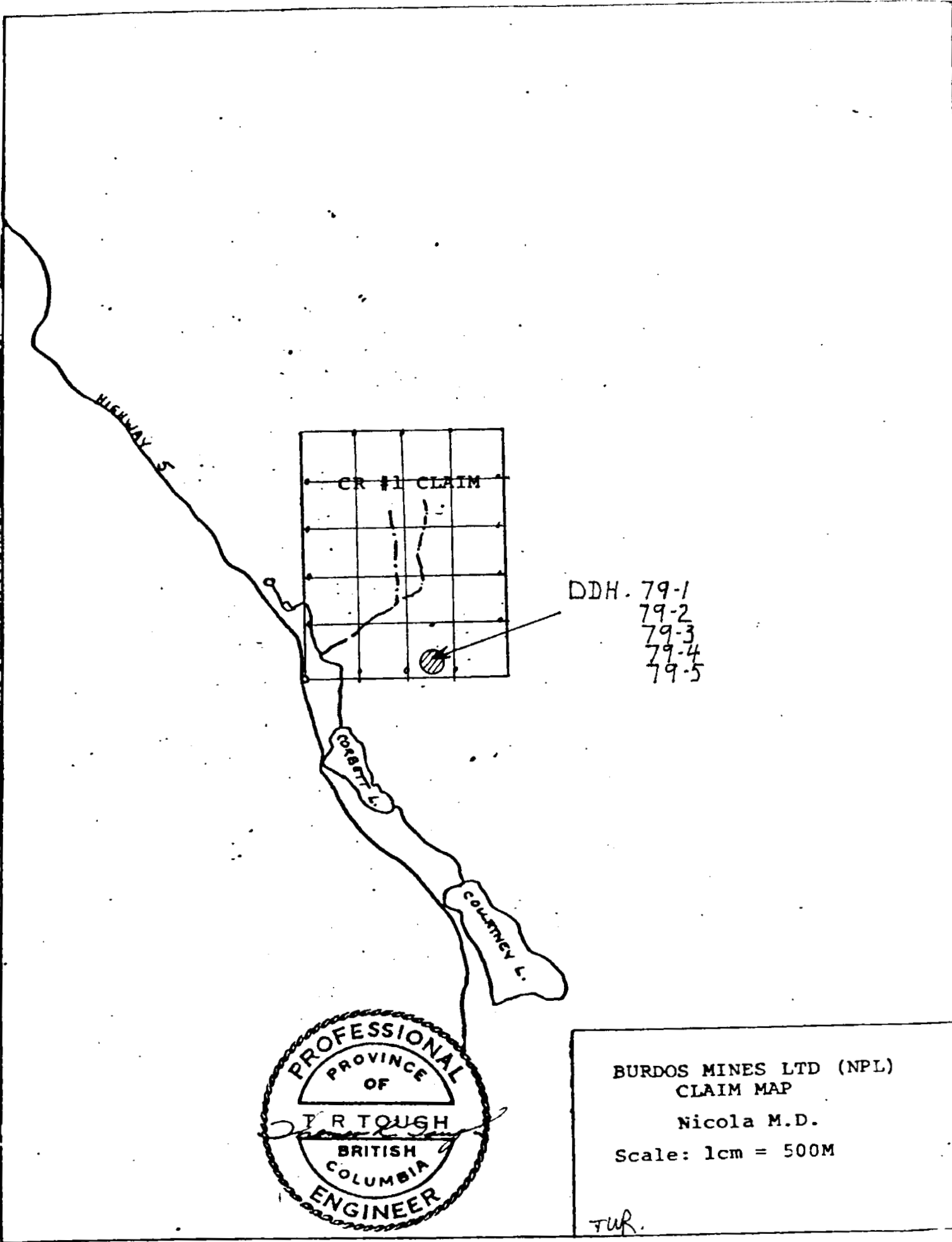
A handwritten signature in black ink, appearing to read 'T. Rolston', with a horizontal line extending to the right.

TOM ROLSTON

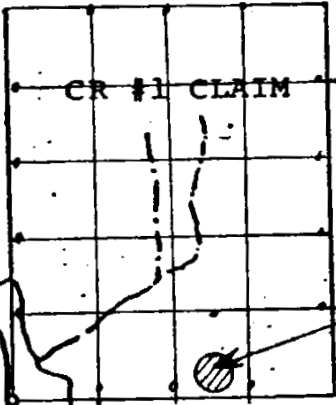


BERDOS MINES LTD (NPL)
LOCATION MAP
 NICOLA M.D., B.C.





HIGHWAY 5



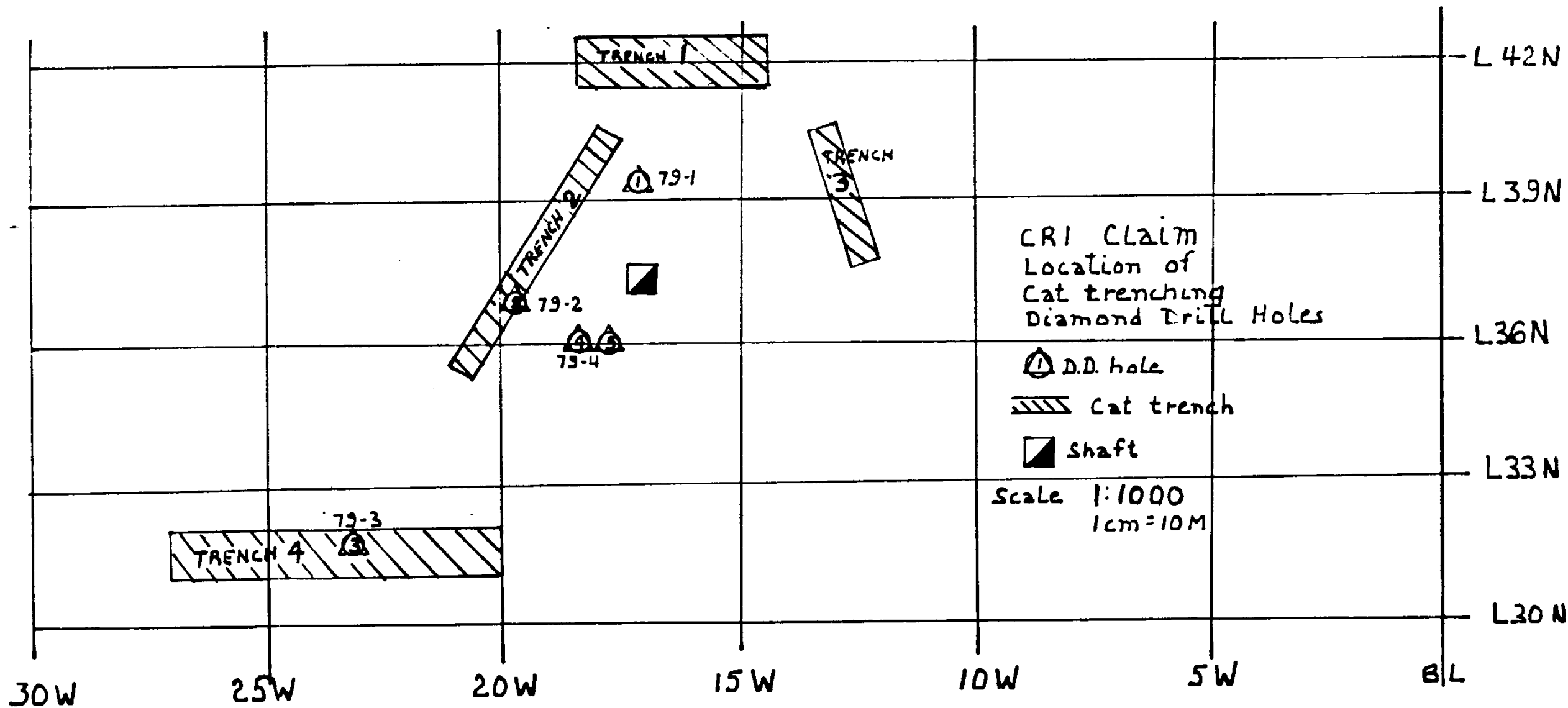
DDH. 79-1
79-2
79-3
79-4
79-5

CORBETT L.

COLTNEY L.



BURDOS MINES LTD (NPL)
CLAIM MAP
Nicola M.D.
Scale: 1cm = 500M
TUR.



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7876
NO.

W. G. Timmins Exploration & Development Ltd.
CONSULTING GEOLOGISTS

806. 703 - 6 Avenue S.W.
Calgary, Alberta T2P 0T9
(403) 264-1415

September 28, 1979

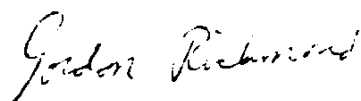
Pentagon Resources Ltd.
1028 - 510 W. Hastings St.
Vancouver, B.C.
V6B 1J6

Attention: Peter Bujowski

Dear Sirs:

Enclosed please find four copies, signed and sealed, of core logs for D.D.H. 2, 3 & 4 on the Pentagon property near Merritt, B.C. Virtually no mineralization is indicated.

Yours sincerely,



Gordon Richmond

GR/esl
Encl.

DIAMOND DRILL RECORD

①
of 5

COLLAR
NORTH
EAST
ELEVATION circa 1250 m
AZIMUTH Vert.
DIPS Vert.

COMPANY Pentagon Resources Ltd
PROPERTY Claim C.R.1
LOCATION Circa 2.0 m north of Porcupine shaft

HOLE #1
STARTED June 21/79
FINISHED June 28/79
DEPTH 265 ft. recorded
255 ft. true
LOGGED BY S.F. Kelly, P. Eng.
BWL core, 1 3/8 m.

% Core Recovery	From	To	Description	Samples				Assays			Averages		
				Sample No.	From	To	Width	Au	Ag	Cu			
Box 1	0	2	Casing										
	2	11	Broken up gray andesitic tuff, some hematite										
	11	23	Gray andesitic tuff. Fracture parallels core axis. 17-18% coarse fragments										
	23	29	Red, sandy, fine-grained conglomerate w. occasional calcite veining & calcite veining @ ± 45° to core, circa 28 ft.										
85													
Box 2	29	34	Red, sandy conglomerate, occasional coarse fragments. Contact at 34 ft ± 45° to core.										
	34	34 1/2	Gray, fine-grained andesitic tuff. Scattered spots of bleached halos around clusters of hematite alteration (of ferro-magnesian particles?)										
	34 1/2	35 1/2	Red, coarse conglomerate, variety of fragments										
95	35 1/2	48	Gray, volcanic agglomerate, calcite veins (narrow)										
Box 3	48	55 1/2	Gray, volcanic agglomerate, minor calcite veining										
	55 1/2	57 1/2	Pink to gray tuff. Upper contact nearly at right angle to core. Lower contact, ± 45°										

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ANNUAL REPORT
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DIAMOND DRILL RECORD

②
of 5

COLLAR
NORTH _____
EAST _____
ELEVATION _____
AZIMUTH _____
DIPS _____

COMPANY Pentagon
PROPERTY _____
LOCATION _____

HOLE # 1
STARTED _____
FINISHED _____
DEPTH _____
PURPOSE _____
LOGGED BY S. F. Kelly

% Core Recovery	From	To	Description	Samples				Assays			Averages	
				Sample No.	From	To	Width	Au	Ag	Cu		
Box 3 cont.			Two-inch calcite + qtz vein at 56 1/2 ft., at ± 60° to core									
	57 1/2	83	Gray volcanic agglomerate with occasional bands of tuff a foot or so wide. Some, narrow calcite veins. Core fractured + broken at 83 ft. Core recovery was very good; I believe the numbering at 80 ft. should have been 70 ft and all subsequent footages should be reduced 10 ft.									
99												
Box 4	83	85	Broken, ul. heavy calcite veining at 83 ft. Fine, gray andesitic tuff. Broken, calcite veining at 85 ft.									
	85	90	Gray, volcanic agglomerate. Heavy calcite veining									
99	90	108	Gray, andesitic tuff. Moderate calcite veining. Occasional bits of volcanic agglomerate.									

MINERAL RESOURCES BRANCH
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NO

DIAMOND DRILL RECORD

③
of 5

COLLAR
NORTH
EAST
ELEVATION
AZIMUTH
DPS

COMPANY Pentagon.....
PROPERTY
LOCATION

HOLE #1.....
STARTED
FINISHED
DEPTH
PURPOSE
LOGGED BY S. F. Kelly.....

% Core Recovery	From	To	Description	Samples				Assays			Averages			
				Sample No.	From	To	Width	Au	Ag	Cu				
Box 5	108	127	Gray andesitic tuff. Fractured, strong calcite veining, broken up, at 111 ft. Shattered, heavy calcite, 124-127.											
99														
Box 6	127	146	Gray, andesitic tuff. Calcite + hematite veining. Heavy calcite, broken up, 127-128. Fracture on calcite vein at flat angle to core, 132-134. Strong calcite + broken up at 140. Calcite veining + broken up, 142-146.											
99														
Box 7	146	147	Gray, andesitic tuff, calcitic, shattered											
	147	158	Gray to pink volcanic agglomerate-calcitic. Broken up, shattered, heavy calcite 157-159. Veinlets of sulph. (pyrite, possibly some chalcopyrite) 157-159.											
				157	159	2								
	158	165	Gray, andesitic tuff. Light calcite veining. Half-inch veins at 159 + 164.											
98														

DIAMOND DRILL RECORD
ASSESSMENT REPORT
7876
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DIAMOND DRILL RECORD

④
of 5

COLLAR
NORTH
EAST
ELEVATION
AZIMUTH
DIPS

COMPANY Pentagon.....
PROPERTY
LOCATION

HOLE # 1.....
STARTED
FINISHED
DEPTH
PURPOSE
LOGGED BY S.F. Kelly

% Core Recovery	From	To	Description	Samples				Assays			Averages	
				Sample No.	From	To	Width	Au	Ag	Cu		
Box 8	165	178	Gray andesite tuff, more calcite veining. Veins 1/2 to 1" wide, circa 168 and 170. Six-inch broken zone at 170. Narrow zones agglomerate, 6 in. to 1 ft wide, slightly reddish, circa 171-172, 176-177.									
	178	187	Volcanic agglomerate, reddish hematite alter. irregularly scattered. Most fragments dark gray. Greenish gray andesitic tuff zones, 6 in. to 1 ft wide, circa 181, 184, 185, 187. Moderate calcite veining.									
98												
Box 9	187	202	Greenish-gray volcanic agglomerate, some red splashes. Moderate calcite veining. Broken up, 189, 197, 202. Gray tuff, 197-198.									
99	202	211	Gray tuff, moderate qtz-calcite veining.									
Box 10	211	228	Gray tuff. Extensive fracturing. Badly broken, 215-218, 220-223. Slight calcite veining, stronger 219-224.									
95												

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
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DIAMOND DRILL RECORD

(5)
of 5

COLLAR
NORTH
EAST
ELEVATION
AZIMUTH
DIPS

COMPANY Paritagon
PROPERTY
LOCATION

HOLE #1
STARTED
FINISHED
DEPTH
PURPOSE
LOGGED BY S.F. Kelly

% Core Recovery	From	To	Description	Samples				Assays			Averages			
				Sample No.	From	To	Width	Au	Ag	Cu				
Box 11	228	238	Gray andesitic tuff. Minor calcite veining. Half inch calcite vein at 236, core broken just above it. Quarter-inch vein, @ ± 45° to core, at 238 marks contact.											
	238	247	Volcanic agglomerate. Pink 238-239. Red, 239K 2 4 1/2". Pale pinkish-greenish, 241 1/2" to 243. 4 inches of strong qtz + calcite veining at 243. Purple and gray agglomerate, 243-245. Pale greenish gray agglomerate, 245-247.											
99														
Box 11	247	255	Gray volcanic agglomerate, frequent red splatters of hematite alteration. Much calcite veining. Healed fracture at flat angle to core, circa 248, shows displacement by different vein patterns on the two sides.											
	255	265	Gray andesitic tuff. Badly broken up, 257 to end, especially 263-264.											
98														
End of hole. Should be 255 ft. because of error in Box No. 3														

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

7876

DIAMOND DRILL CORE LOG - SAMPLE FORD

DEPTH	DIA	WEARING
COLLAR		

PROPERTY Pentagon CLAIM _____ LOGGED BY G. Richmond
 LATITUDE _____ STARTED _____ CORE SIZE BQ
 DEPARTURE _____ FINISHED Logged Sept. 11, 1979 SECTION _____
 ELEVATION _____ TOTAL LENGTH 303 LEVEL _____
 HOLE NO. D.D.H. 79-2

Sheet 1 of 2

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Gold Oz.	Silver Oz.	Cum. Totals	
6-12	Weathered amygdaloidal basalt or andesite. Amygdales filled with zeolite altered to clay & CA	none									Box 1
12-16	Med. grey f.g. andesite, non vesicular. A few CA vns.	none									Box 1
16-21	Changes at 16' to purplish grey amygdaloidal extrusive with bands of iron stain & CA vits	Amygdales are zoned chalcedony									Box 1
21-24	f.g. greenish grey amygdaloidal andesite. Quartz filled amygdales up to 2 cm are flattened normal to C/A	none									Box 1
24-30.5	changes gradually to mottled greenish and reddish grey, non-amygdaloidal, some CA vns	none									Box 1
30.5-38	as above, changes gradually below 37'	none									Box 2
38-50	Brick red fragmental, in places highly sheared & veined with CA. Looks like lahar deposit	none									Box 2
50-58	Fragments rapidly become finer, rock becomes a uniform brick red siltstone	none									Box 3
58-71.5	Over 9" becomes a purplish grey fragmental, fragments vary from less than 1 mm to several cm	Quartz, clay & CA in matrix									Box 3
71.5-86	Becomes finer, turns into mudstone. CA vns from 0 - 45° to C/A	none									Box 4
86-94	Apparently a sill or f.g. extrusive. Hard to distinguish from mudstone. Sheared & chloritized at 87' - none elsewhere with a velvety feel	Trace of native Cu									Box 4
94-111	& lustre from 91-94 / As for 91-94, less sheared toward 111	none									Box 5
111-113	Gradually changes to banded reddish and purplish with quartz clts conformable to layering. Ash fall deposit?	none									Box 5
113-127	Changes repeatedly from amygdaloidal to fragmental, a number of thin flows?	Quartz or chalcedony in amygdales									Box 6
127-136	Amygdaloidal to quite featureless 2 generations of CA vns, parallel to and normal to C/A	none									Box 6

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 7876
 No.

Gordon Richmond 25/09/79

DIAMOND DRILL CORE LOG - SAMPLE RECORD

COLLAR		

PROPERTY Pentagon CLAIM _____ LOGGED BY G. Richmond
 LATITUDE _____ STARTED _____ CORE SIZE BQ
 DEPARTURE _____ FINISHED Logged Sept 11, 1979 SECTION _____
 ELEVATION _____ TOTAL LENGTH 303 LEVEL _____
 HOLE NO. D.D.H. 79-2

Sheet 2 of 2

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Gold Oz.	Silver Oz.	Cum. Totals	
136-159	Purplish grey amygdaloidal andesite, quartz-filled amygdales, Highly brecciated with clay & CA 142-155	none									Box 7
159-180	as above, considerable clay & sparry CA	none									Box 8
180-201	as above, less clay & CA, fewer amygdales. from 190 on chloritized & sheared with velvety texture on fracture surfaces / f.g. purplish grey andesite. Sheared & chloritized as above in places fragmental & clay filled	Epidote & CA at 195									Box 9
201-217	Varies from amygdaloidal to fragmental. Quite purple in colour. Amygdales of quartz & zeolites CA vns.	Hematitic in places									Box 10
217-237	as above	none									Box 11
237-251	as above	none									Box 12
251-260	Abruptly changes to highly amygdaloidal bluish grey andesite with amygdales filled with white to bluish or greenish zeolites	none									Box 12
251-260	Brecciated by CA vns 255-256	none									Box 12
260-283	Highly amygdaloidal purplish grey andesite. Amygdales filled mainly with qz, some zeolites. Highly bleached & altered by clay 261-263	none									Box 13
283-303	More grey than purple, less amygdaloidal 2" qz - CA vn at 284	none									Box 14

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 7876
 No. _____

G. Richmond 28/12/79

DIAMOND DRILL CORE LOG - SAMPLE RECORD

		3
COLLAR		

PROPERTY Pentagon CLAIM _____ LOGGED BY G. Richmond
 LATITUDE _____ STARTED _____ CORE SIZE EG
 DEPARTURE _____ FINISHED Logged Sept. 12, 1979 SECTION _____
 ELEVATION _____ TOTAL LENGTH 256' LEVEL _____
 HOLE NO. D.D.H. 79-3

Sheet 1 of 2

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Gold Oz.	Silver Oz.	Cum. Totals	
14-18	Reddish brown tuff or fine cl stic	none									Box 1
18-28	1" (+or-) fragments of greenish-grey andesite in a matrix of red brown mud	none									Box 1
28-38.5	finer fragmental rock, numerous CA vns	none									Box 1
38.5-61	v.f.g. greenish black andesite in places brecciated by CA vns about 45° to C/A	none									Box 2
61-67	as above	none									Box 3
67-74	Similar to above, but progressively more brecciated by iron stained CA vns	none									Box 3
74	2' fault zone recorded in core box, poor recovery	none									Box 3
74-90	fair recovery: sheared & chloritized andesite velvety on fracture surfaces	none									Box 3
90-101	as above	none									Box 4
101-114	Changes to a breccia cemented by white CA progressively replaced by red mud	sheared at 111' none									Box 4
114-138	Poorly sorted purplish agglomerate, cemented by CA	none									Box 5
138-140	Poorly sorted bluish-greenish-purplish fragmental	none									Box 6
140-150	v.f.g. compact black andesite, cut by CA vns about 45° to C/A	none									Box 6
150-162	Purplish fragmental, becoming amygdaloidal at 157' Zeolites & Chalcedony in amygdales. Flow top?	none									Box 6
162-186	Varies erratically from amygdaloidal to fragmental. 164-167 core friable, high clay, numerous CA vns	none									Box 7
186-212	Coarse to fine fragmental, varying from bluish grey to purple. Considerable clay & CA	none									Box 8

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 RECOVERED IN CH
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Revised by G. Richmond 28/10/79

DIAMOND DRILL CORE LOG - SAMPLE RECORD

COLLAR		

PROPERTY Pentagon CLAIM _____ LOGGED BY G. Richmond
 LATITUDE _____ STARTED _____ CORE SIZE BQ
 DEPARTURE _____ FINISHED Logged Sept. 12, 1979 SECTION _____
 ELEVATION _____ TOTAL LENGTH 256' LEVEL _____
 HOLE NO. D.D.H. 79-3

Sheet 2 of 2

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Gold Oz.	Silver Oz.	Cum. Totals	
212-217	Fragmental as above 217' is apparently a flow top	none									Box 9
217-225	Uniform dark grey andesite, cut by CA vns	none									Box 9
225-235	Another flowtop at 225'? Uniform dark grey andesite. Swarm of CA vns 233-234	none									Box 9
235-256	Uniform dark grey andesite, no noticeable flow boundaries. Epidote & quartz in vltis at 246 - 248. CA ubiquitous	none									Box 10

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
7876
 NO.

DIAMOND DRILL CORE LOG - SAMPLE RECORD

COLLAR		

PROPERTY Pentagon CLAIM _____
 LATITUDE _____ STARTED _____
 DEPARTURE _____ FINISHED Logged Sept 12, 1979
 ELEVATION _____ TOTAL LENGTH 265

LOGGED BY G. Richmond
 CORE SIZE BQ
 SECTION _____
 LEVEL _____
 HOLE NO. D.D.H 79-4

Sheet 1 of 1

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Gold Oz.	Silver Oz.	Cum. Totals	
4-18.6	Uniform dark grey andesite, few amygdaloes. Highly brecciated by CA vns. 16-18.6'	none									Box 1
18.6-23	Becomes coarse fragmental, patchy hematite staining	none									Box 1
23-29	Hematitic red breccia, somewhat polymictic, probably a lahar deposit. CA common.	none									Box 1
29-34	as above	none									Box 2
34-47 1/2	Color changes from red to purplish-grey, fragments are very jagged, highly vesicular-explosive breccia?	none									Box 2
47 1/2-82	Mostly purplish-grey breccia, some v.f.g. extrusive. Highly bleached 55 1/2-57 1/2	Some talc on fracture surfaces. No sulfides									Box 3
82- 107	Grey to purplish-grey extrusive, some breccia Cut by at least 2 sets of CA vns. Some clay.	None									Box 4
107-126	Rapidly becomes chloritized & sheared Poor recovery rock unstable, turns to powder - clay alteration	none									Box 5
126-146	Mostly uniform v.f.g. andesite. Many CA vns. 144-145 looks like explosive breccia	considerable clay no sulfides									Box 6
146-165	Explosive? breccia cemented by Ca and clay. Chlorite and epidote locally common	none									Box 7
165-188	Varies from v.f.g. extrusive to polymict breccia. Purplish grey. Some explosive breccia? Ca high	none									Box 8
188-211	as above	none									Box 9
211-228	Med. grey v.f.g. extrusive andesite. Highly chloritized and sheared. Splintery core.	none									Box 10
228-235	as above	none									Box 11
235-247	Breccia, varies from red to green to grey, somewhat silicified	none									Box 11
247-265	Purplish grey breccia grading into v.f.g. med grey andesite. Flow top?	none									Box 12

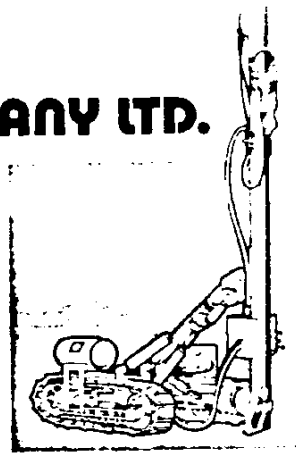
MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 7876
 NO.

end

P. C. B. 1979

RAYMOND DRILLING & EXPLORATION COMPANY LTD.

1028 - 510 WEST HASTINGS
VANCOUVER B.C. V6B 1J6



Phone: (604) 669-6443
(604) 733-1446

July 24, 1979.

To: PENTAGON RESOURCES LTD.
1028 - 510 West Hastings
Vancouver, B.C.

I N V O I C E

Preparation Drill Site (June 12 - 18) 5 days (2 men) @ \$300/day	\$ 1,500.00
Water Tank Rental (4 weeks @ \$150/wk)	600.00
Truck rental (hauling water) (30 days @\$150/day)	4,500.00
Moving cat on to property	202.50
Moving cat off of property	202.50
Drilling - 1458 feet @ \$20./ft.	<u>29,160.00</u>
	\$ 36,165.00

Paid on account:	
May 14, 1979	\$15,000.00
June 20, 1979	<u>5,000.00</u>
	\$20,000.00

Balance to date

\$16,165.00

Paid July 20, 1979

CERTIFICATE

I, GORDON RICHMOND, Do hereby certify: that I am employed as a field geologist by W. G. Timmins Exploration and Development Ltd. with an office at 201-909 5th Avenue, S.W. Calgary, Alberta.

I FURTHER CERTIFY THAT:

1. I am a graduate from the University of British Columbia and hold a B.Sc., degree in Geology.
2. I have been employed in my present position since June, 1979.
3. Those logs made by me are based on a personal examination of core stored at 7050 Halligan Street, Burnaby, B.C.
4. I have no direct or indirect interest whatsoever in either the property or securities of Pentagon Resources Ltd., or its affiliates, nor do I expect to receive any such interest.

DATED AT VANCOUVER, BRITISH COLUMBIA THIS 19th DAY OF
MAY, 1980

Gordon Richmond

W. G. TIMMINS EXPLORATION & DEVELOPMENT LTD.

CONSULTING GEOLOGISTS