

5661

DRILLING REPORT
WREDE RANGE PROPERTY

BIRD MINERAL CLAIMS

BIRD #'s 1,2,4,6,8,10,12,14-33,35-41

Owned and Operated by

BP MINERALS LIMITED

Diamond drill hole BD #1 491' (150m) BQ core

Diamond drill hole BD #2 445' (136m) BQ core

Diamond drill hole BD #1 132 North 94 East -
60 at 050° 5035' elevation

Diamond drill hole BD #2 132 North 100 East -
-60° at 230° 5000' elevation

Diamond drill core stored at Johanson Lake base camp

Total costs applied: \$23,671

Claim credit apportionment: 5 years to BIRD #'s 19-26
3 years to BIRD #'s 1,2,4,6,8,
10,12,14-18,27-33,35-41

By: D.K. Mustard, P.Eng.
and C.D.S. Bates

C.D.S. Bates

October 23, 1975

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
D. 5661 MAP

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1 2 DIAMOND DRILL LOCATION MAP (Figure 1)	in pocket
DIAMOND DRILL CORE LOGS	in pocket

STATEMENT OF COSTSWrede Range PropertyBIRD Mineral Claims

BIRD #'s 1,2,4,6,8,10,12,14-33,35-41
(34 Claim Group)

SUMMARY

(i) Diamond drilling	\$15,657
(ii) Helicopter support	6,135
(iii) Logging/splitting	1,580
(iv) Report	<u>300</u>
TOTAL	\$23,671

(i) DIAMOND DRILLING

Wright Drilling Company Limited
 Kamloops, B.C. (contract and itemized account attached)
 Boyles BBS1 BQ core/BW casing

BD #1 - 491' (150m)	
casing 20' @ \$10.25/ft.	\$ 205
coring 471' @ \$10.25/ft.	4,828
BD #2 - 445' (136m)	
casing 22' @ \$10.25/ft.	225
coring 423' @ \$10.25/ft.	<u>4,336</u>

TOTAL DIRECT DRILLING COSTS \$9,594

The two holes drilled on the BIRD claims formed part of a three hole drilling programme based out of Johanson Lake, B.C. As a consequence, two thirds of the mobilization and demobilization costs and one half of the labour costs for moving from one property to the other have been claimed.

Total mobilization costs \$2,284 2/3 claimed	\$1,522
Total demobilization costs \$2,132 2/3 claimed	1,422
Total labour costs in moving inter-property	
\$852 1/2 claimed	426
Reaming costs BD #1	360
Acid test costs BD #1	30
Rod damage costs BD #1	262
Labour costs - moving BD #1 to BD #2	720
Reaming costs BD #2	240
Cementing costs BD #2	540
Rod damage costs BD #2	<u>541</u>

TOTAL INDIRECT DRILLING COSTS \$6,063

Total diamond drilling costs (i) \$15,657

(ii) HELICOPTER SUPPORT

Vancouver Island Helicopters Ltd.

Bell 206B \$250/hour contract.

Drill crews, working on two 12 hour shifts/day, were supported twice a day into and out of the BIRD claims from a drill camp at Johanson Lake.

August 15	2.35 hours	drill move (4.7 total 1/2 claimed - inter-property move)
August 16	2.5 hours	support
August 17	0.9 hours	support
August 18	0.7 hours	support
August 19	0.8 hours	support
August 20	1.0 hours	support
August 21	0.9 hours	support
August 22	1.3 hours	support-drill move
August 23	0.8 hours	support
August 24	1.1 hours	support
August 25	0.9 hours	support
August 26	0.8 hours	support
August 27	0.9 hours	support
August 28	0.9 hours	support
August 29	7.3 hours	drill move to Johanson Lake
Total	23.15 hours	

23.15 hours x \$250/hour - contract \$5,788

23.15 hours x \$15/hour - fuel (Jet B) 347

Total helicopter support (ii) \$6,135

(iii) LOGGING/SPLITTING

Project geologist - C. Bates - August 21-30

Technician - M. Duplessis - August 25-30

C. Bates - \$79.40/day x 10 days \$ 794

M. Duplessis - \$30.88/day x 6 days 186

Food and accommodation 16 man days \$15/day 240

Core storage - 6'x6'x\$15 sq.ft. = \$540 2/3 claimed 360

Total logging/splitting costs (iii) \$1,580

(iv) REPORT

Core logs/maps \$300



5661

M-1

PLATE 1
 LOCATION MAP
 BIRD CLAIMS

WREDE RANGE; OMINECA MINING DIVISION, B.C.

N.T.S. 94D9

SCALE: 1 INCH = 4 MILES

WRIGHT DRILLING COMPANY LTD.

CONTRACT DIAMOND DRILLING
UNDERGROUND AND SURFACE

B P Minerals Limited
RECEIVED

Box 282
KAMLOOPS B.C.
Phone 272-9781X

BREAKDOWN ON INVOICE # 38307 ^{SEP} JULY 25 1975 ^{AUGUST} AUGUST 31/75

<p>Mobilization, setting up camp and drill 167 man hours @ \$12.00 Truck milage 1400 miles @ \$0.20</p>	<p>Vancouver, B. C. \$2,004.00 280.00</p>	<p>2,284.00</p> <p style="text-align: right; font-size: small;">2/3 claimed for BIRD claim:</p>
<hr/>		
<p>Drilling cost for hole # 1</p> <p style="margin-left: 20px;">Casing 0 - 36 - 36' @ \$10.25 Coring 36 - 473 - 437' @ \$10.25 - 457'</p> <p>Cost for mixing drill mud 6 man hours @ \$12.00</p> <p>Cost for drill rods damaged 4 BQ rods @ \$35.87 each</p>	<p style="font-size: 2em; line-height: 1;">}</p> <p style="margin-left: 20px;">369.00 4,479.25</p> <p style="margin-left: 20px;">Not to be included in BIRD claims drilling costs.</p>	<p>4,848.25</p> <p>72.00</p> <p>143.48</p>
<hr/>		
<p>Cost for moving drill to hole # 2 71 man hours @ \$12.00</p>		<p>852.00</p> <p style="text-align: right; font-size: small;">1/2 claimed for BIRD CLAIM:</p>
<hr/>		
<p>Drilling cost for hole # 2 (BD#1)</p> <p style="margin-left: 20px;">Casing 0 - 20 - 20' @ \$10.25 Coring 20 - 491 - 471' @ \$10.25</p> <p>Reaming cost for hole # 2 12 drill hours @ \$30.00</p> <p>Cost for Acid test hole # 2 1 drill hour @ \$30.00</p> <p>Cost for equipment damage hole # 2 3 - BQ drill rods @ \$35.87 each 1 - BW casing shoe @ \$154.35</p> <p>Cost for moving drill to hole # 3 60 man hours @ \$12.00</p>	<p style="font-size: 2em; line-height: 1;">}</p> <p style="margin-left: 20px;">205.00 4,827.75</p> <p>107.61 154.35</p>	<p>5,032.75</p> <p>360.00</p> <p>30.00</p> <p>261.96</p> <p>720.00</p>
<hr/>		
<p>Drilling cost for hole # 3 (BD#2)</p> <p style="margin-left: 20px;">Casing 0 - 22 - 22' @ \$10.25 Coring 22 - 445 - 423' @ \$10.25</p>	<p style="font-size: 2em; line-height: 1;">}</p> <p style="margin-left: 20px;">225.50 4,335.75</p>	<p>4,561.25</p>

Reaming cost for hole # 3		5
8 drill hours @ \$30.00 per hour		240.00
Cementing cost for hole # 3		
18 drill hours @ \$30.00 per hour		540.00
Cost for equipment damaged hole # 3		
1 - BW casing shoe	154.35	
1 - BQ Diamond bit	265.75	
2 - BQ drill rods	71.74	
plus 10% of \$491.84	49.18	541.02

Demolization cost job completion

121 man hours @ \$12.00	1452.00
truck milage	280.00
truck rental 3 ton	400.00

2/3 claimed
for
2,132.00 BIRD
claims.

Total \$22,618.71

BP Minerals Limited
RECEIVED
 SEP 8 1975
 Vancouver, B. C.

STATEMENT OF QUALIFICATIONS

C.D.S. Bates, B.A.(Oxon), MSc., DIC.

- 1968 B.A. Oxford University,
(Honors Degree Geology)
- 1970 MSc. Royal School of Mines, Imperial College,
London University,
(Mineral Exploration)
- 1970 DIC. Royal School of Mines, Imperial College,
London University,
(Mineral Exploration)

DRILLING CONTRACT

THIS AGREEMENT made and entered into this 9th day of May , 1975.

B E T W E E N :

BP MINERALS LIMITED, a body corporate,
incorporated under the laws of Canada
and having an office at the City of
Vancouver in the Province of British
Columbia;
(hereinafter called "the Company")

OF THE FIRST PART

- and -

WRIGHT DRILLING LTD., a body corporate,
incorporated under the laws of the
Province of British Columbia and having
its Registered Office at Suite 305,
186 Victoria Street, Kamloops, British
Columbia;
(hereinafter called "the Contractor")

OF THE SECOND PART

W I T N E S S E T H :

WHEREAS the Contractor has been and is engaged in diamond
drilling and the provision of related services;

AND WHEREAS the Company now desires that the Contractor
conduct diamond drilling and provide related services for it on the
Bird Mineral Claims located in the Wrede Range in the Omineca
Mining Division;

NOW, THEREFORE, the parties agree as follows:

1. Drilling

The Contractor agrees to perform diamond drilling and related services for the Company on the Bird Mineral Claims situated in the Wrede Range in the Omineca Mining Division. The drilling services to be provided by the Contractor shall comprise the drilling of a series of bore holes, to depths and at locations upon the above described property selected by the Company, using a BQ core barrel producing a core of approximately 1.432. The Contractor agrees to commence such drilling on or after the 7th day of July, 1975, as specified by the Company, and to continue such drilling and related operations, at the rates and on the terms and conditions herein set forth, until such time as, in the opinion of the Company, the desired drilling is completed or weather conditions force cessation of drilling operations; provided that, the Company agrees that the minimum amount of drilling that it shall be required be drilled hereunder will be 2,000 feet.

2. Compensation

The Company shall pay the Contractor as full compensation for the services and materials required to be furnished by it a sum calculated on the following rates:

- (a) For all drilling operations the Company agrees to pay the Contractor on a footage basis according to the following schedule of rates:

	<u>From</u>	<u>To</u>	<u>Price/Foot</u>
(i) Coring	0'	500'	\$10.25
	500'	1000'	\$11.00
	over 1000'		At a price agreed upon by authorized representatives of the Contractor and the Company. *
(ii) Overburden	0'	25'	\$10.25
	25'	50'	\$11.00
	50' plus		At field cost.

- (b) For all operations conducted on a field cost basis, the Company agrees to pay the Contractor \$30.00 per hour per drill outfit. The Contractor shall include in such hourly rate the cost of supplying a regular two man drill crew, supervision and maintenance as required, drilling machinery and associated equipment, fuel, and board and lodging for the drill crew. In the event labour over and above or apart from the regular two man crew and supervision are required, the Contractor agrees to supply such additional labour at the rate (herein called "the agreed labour rate") of \$12.00 per man per hour. When the Contractor is working on the field cost rate, the cost of pipe or casing lost or left in the hole, diamond articles and materials and supplied consumed in the work shall be for the Company's account at cost plus 10%.

3. Transportation Moves and Camp

- (a) The Company will pay, or charge to its account, travel costs of the Contractor's personnel from Kamloops to the drill camp at commencement of the operations and return on completion of the operations.

* To be referred to arbitration pursuant to the Arbitration Act, R.C.B.C. 1960, C14 if agreement cannot be reached.

- (b) The Contractor shall pay for all costs incurred in moving its equipment and materials to and out of the location except that if access to the drilling area cannot be realized with the Contractor's truck, moving from the truck discharge point to the drilling area will be for the Company's account at the agreed labour rate.
- (c) The Contractor shall provide and pay for a suitable camp for the purpose of providing room and board for personnel associated with the drilling operation. Erection and dismantling of the camp will be for the Company's account at the agreed labour rate.
- (d) It is agreed that moves between drill sites shall be at the agreed labour rate. Moving time shall be from the time of completion of pulling to set-up time at the next drill site. No machine rental charge will be made unless the rig is used to move itself.

4. Materials, Equipment and Supplies

- (a) The Contractor shall furnish and pay for water and all equipment required for the delivery and storage of water at the location except that if the source of water supply is at a greater distance than two thousand (2000) feet from the drilling site, or over three hundred (300) feet vertical lift, the Company will reimburse the Contractor at cost for the rental, installation and operation of additional high pressure hose and pumping equipment required.

- (b) The Contractor shall supply such mud and additives (if any) as are required to help penetrate the overburden and or aid in core recovery, and the Company shall reimburse the Contractor at cost plus ten percent. Time spent mixing mud and stabilizing the hole will be charged on a field cost basis.
- (c) The Contractor agrees to provide board and lodging for its own men at its own expense, and to provide meals to a limited number of the Company's representatives at the rate of \$3.00 per meal.
- (d) The Company agrees on fly-in jobs that all transportation and expediting costs be charged to the Company's account.
- (e) If required by the Company, the Contractor shall furnish core boxes on the job site at cost, plus ten percent (10%).
- (f) The Contractor shall furnish and pay for all equipment, materials and labour required for the execution of this contract other than that specified to be furnished by the Company.
- (g) The Company agrees that on helicopter jobs they will supply all fuels and transportation cost from truck discharge point to drill sites at no cost to the Contractor.

5. Reaming, Casing and Cementing

The Contractor shall perform such ream casing and cementing as are necessary to help prevent cave-ins, on a field cost basis.

6. Directional and Controlled Drilling

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It is mutually agreed that directional drilling to change the direction of a bore hole and controlled drilling to maintain the angle of a bore hole shall not be included in this contract.

7. Standby

It is agreed that standby, dip testing, delay time or other time which the Contractor's crews are performing services for the Company, not otherwise covered herein, shall be performed on a field cost basis. Standby shall be limited to 8 hours per shift or 16 hours per day.

8. Security

The Contractor will not give out any information regarding drill results or access to any person other than to the Company's representative.

9. Drilling Sites

The Contractor agrees to case and drill on the sites and at angles and azimuths selected by the Company representative relating to place and time of drilling.

Notwithstanding the above, all operations conducted by the Contractor hereunder shall be conducted by the Contractor as an independent contractor.

10. Caves

In the event that cavities or loose and caving materials are encountered of a nature as to prevent the successful completion of any hole, the Contractor does not, under such conditions, guarantee to drill to a predetermined depth and, in the event that it becomes necessary to abandon the hole, the Company agrees to pay for such incompleated holes at the rate herein specified for all footage completed.

In the event it becomes necessary to resort to cementing, reaming of casing or mud circulation in bedrock, the Contractor shall notify the Company and the Company agrees to reimburse the Contractor at field cost from time spent at the Company's direction in cementing, reaming of casing or mud circulation in bedrock.

Wherever pipe or casing is lost, or left in a hole on the instruction of the Company's representative while on a field cost basis, the Company agrees to pay the Contractor for such pipe or casing at cost, f.o.b. drill site.

11. Payment

The Company agrees to pay the Contractor in Canadian funds within 30 days of the receipt of satisfactory invoices. Such invoices shall be submitted twice monthly and payment of same shall not prejudice the right of the Company to question any charge therein.

12. Compensation and Insurance

The Contractor agrees that the men employed by it in the performance of this Contract shall be fully covered under the Workers' Compensation Laws of the Province of British Columbia and that it will keep such men covered and will pay the assessment required and will protect the Company from any action arising out of any injury including death, sustained by any such employee, excluding however, claims arising out of any negligent act or omission of the Company, its servants or agents.

The Contractor shall, at its own cost, maintain Liability and Property damage insurance in the amount of five hundred thousand (500,000.00) dollars.

The Contractor shall carry an all perils insurance policy limited to \$20,000.00 per drilling outfit at his own cost. The Company agrees that additional insurance cost incurred for flying or barging of equipment will be to their account.

All such policies of insurance shall provide by endorsement or otherwise that the insurer waives its right to subrogation against the Company and that the insurer shall deliver to the Company at least Ten (10) days written notice of any material change in such policy of insurance.

The Contractor shall deliver to BP a certificate or certificates of insurances or duplicate policies of insurance and such other documents as may be required evidencing full compliance with the insurance requirements hereinbefore contained.

13. Right of Entry and Removal of Equipment

Company will provide at its own expense, all rights of way, both ingress and egress, and the peaceable possession of all real property that may be required in connection with said work including real property upon which all necessary temporary buildings and other facilities may be erected, or placed, and except as otherwise provided, will save the Contractor harmless from any and all damages, claims, demands, costs or charges of whatsoever kind or character incident to the occupation and use of said real property, except where they arise out of or are attributable to the negligence of the Contractor, its agents or employees.

Upon completion of such work by the Contractor, the Contractor shall have the right to remove, within a reasonable length of time, all

temporary buildings and other fixtures, trade fixtures, machinery, equipment, appliances and facilities furnished by and placed upon such real property by contractor.

14. Liens

The Contractor shall be responsible for and will pay promptly all costs and charges, incurred by itself for labour, machinery, tools and supplies used in completing the work hereunder so that no lien or other such charge relative to the Contractor, may be registered against the Company or the property. The Company may retain an amount equal to 15% of the total amount payable pursuant to this contract if the contractor fails to supply releases evidencing payment of all wages, services and materials ordered by the Contractor.

15. Force Majeure

Neither party to the agreement shall be liable for any loss or damage caused by reason of strikes, acts of God, action of the elements, or any other causes (other than a lack of funds) beyond its control.

16. Laws Applicable

This agreement shall be interpreted and any dispute arising hereunder shall be determined in accordance with the laws of the Province of British Columbia.

17. Performance

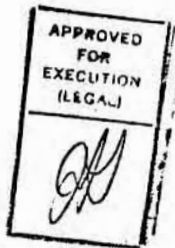
The Contractor agrees to carry out all operations hereunder in a prudent, lawful and skilful manner, as expeditiously as possible, taking all reasonable precautions to eliminate unnecessary delay. The Contractor

shall indemnify and save harmless the Company from and against any and all claims arising out of or attributable to the work to be performed by the Contractor hereunder and resulting from the negligence or wilful misconduct of the Contractor, its employees or agents.

18. Assignments

This agreement shall be binding upon and shall inure to the benefit of the parties hereto, their respective successors and assignees, provided however, that the same shall not be assignable by either party until the consent in writing of the other shall have first been had and obtained thereto.

IN WITNESS THEREOF, this agreement has been executed by the parties hereto the day and the year first herein written.



BP MINERALS LIMITED

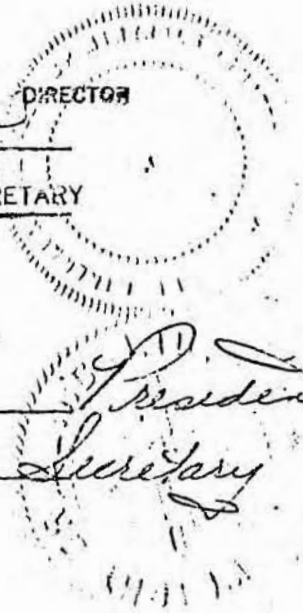
DIRECTOR

[Signature]

[Signature]
SECRETARY

WRIGHT DRILLING LTD.

[Signature]
[Signature]
Secretary





DRILL LOG

SHEET NO.

LOCATION WREDE RANGE		CO-ORDINATES		NORTH		EAST		ELEVATION		SHEET NO.		
				132		94		N 5035		2	5	
DATE STARTED		DATE COMPLETED		SURVEYS		HOLE SIZE		TOTAL DEPTH		HOLE NO.		
16/08/75		22/08/75				ø 491		-62		D.D.H. BD #1		
DEPTH		CORE		LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE			Graph Log		
From	To	Length	% Rec				F	V/Ft	F/Ft			
100	110	9/6	95	100-134 } Quartz feldspar diorite porphyry	110-120 siliceified. pervasively altered chlorite/epidote chl/ep. on fractures	5-10% sulphides - py/minor cpy 104 minor cpy with epidote stringers	STW	>10	π	π		
110	120	8/7	86			110-120 >10% sulphides siliceified section	STW	>10	π			
120	130	6/1	60			118'6" - MoS ₂ - fracture - smear	π			π		
130	140	7/4	73			127-133 MoS ₂ / fracture - smear.	π	8	8	π		
130	140	7/4	73	134-137 } dark-(fine grained) microdiorite 137-200+ } quartz feldspar diorite porphyry	133-180 decreasing veining from streak. chl/ep alteration	disseminated pyrite.	4	6	π	π		
140	150	8/6	85			py - dominant sulphide type - dissem } habit. - FF - vein	4	4	π	π		
150	160	8/2	81			153 dissem cpy } minor FF cpy	4	>10	π	π		
160	170	8/4	83			159 minor dissem cpy 160 minor vein cpy	3	>10	π	π		
170	180	5/3	52	180 increasing veining to streak.	pervasively altered chlorite/epidote - wholesale replacements and on fracture facets	174 MoS ₂ - FF/smear	3	>10	π	π		
180	190	8/5	84			185 - MoS ₂ / FF/veinlets	STW	>10	π	π		
190	200	7/3	72			FRUIT 188'6" - 198'6" shearing // to sub-// to core axis.		SS	STW	>10	π	π
								SS	STW	>10	π	π

9/4B



DRILL LOG

SHEET NO.

LOCATION WREDE RANGE		CO-ORDINATES		NORTH		EAST		ELEVATION		SHEET NO.		
				132		94		N 5035		3	5	
DATE STARTED		DATE COMPLETED		SURVEYS		HOLE SIZE		TOTAL DEPTH		HOLE NO.		
16/08/75		22/08/75		0		-60 050		491 -62		BQ 491		
DEPTH		CORE		LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE			Graph Log		
From	To	Length	% Rec				F	V/F	F/F			
200	210	6/1	60	200 - 246 } 9/3 feld. diorite porphyry 208-221 - silicified and epidotized.	Pervasive Alteration chlorite/epidote In more intensely sheared sections development of sericite / talc (pale green) 208-221 silicification and epidote.	5-10% sulphides - mostly pyrite - 208 FF f.g. chalc (cpy) 208-221 minor cpy + mag w 214 / py/9/3 veins				π		
210	220	4/9	48									π
220	230	2/6	25									π
230	240	7/5	74									π
240	250	8/4	83				246-254 } 90° angle with core axis - CONTACT. (sharp) equigranular diorite (mg-fg) YOUNGER than QFD Termination of 9/3 veins / No stwr.		240 - No S ₂ - vuggy 9/3 veins			
250	260	6/3	62	254 - 281'6" } 9/3 feld. diorite porphyry	254 - 277'6" } FAULT. Highly Sheared // to core axis chl. / taic.					π		
260	270	4/11	49							π		
270	280	8/0	89							π		
280	290	8/4	83	281'6" - 286'6" } equigranular diorite (medium grained)		280-282 9/3 and calcite veins.				π		
290	300	4/4	43	286'6" - 300+ } 9/3 feld. diorite porphyry	286-286'3" } FAULT.					π		

9/83



DRILL LOG

SHEET NO.

LOCATION <i>WREDE RANGE</i>		CO-ORDINATES		NORTH		EAST		ELEVATION		4		5			
DATE STARTED		DATE COMPLETED		SURVEYS						HOLE SIZE		TOTAL DEPTH		HOLE NO.	
<i>16/08/75</i>		<i>22/08/75</i>								<i>BQ</i>		<i>491</i>		<i>D.D.H. BD #1</i>	
DEPTH		CORE		LITHOLOGY				ALTERATION		MINERALIZATION		STRUCTURE			Graph
From	To	Length	%Rec									F	V/Ft	F/Ft	Log
				<i>300 - 400+</i> <i>quartz feldspar diorite porphyry</i>				<i>pervasively altered chlorite / epidote chl/ep. on fractures and joint-faces</i>		<i>5-10% sulphides - dominantly as pyrite: 315 MoS₂ joint-face 316 MoS₂/cpy / wussy qtz vein 320'6"-321 MoS₂/cpy and py / fracture fill. 335-348 minor cpy / fracture fill. 346- MoS₂ / smear / FF 351 - minor cpy / MoS₂ to 353 on py/ep-stringer. 361-365 cpy / py FF 370 - better recovery to 390 - less veining and fracturing - less epidote and dissempy. </i>		π			
<i>300</i>	<i>310</i>	<i>4/8</i>	<i>47</i>									6	<i>>10</i>		π
<i>310</i>	<i>320</i>	<i>7/6</i>	<i>75</i>									6	<i>7/10</i>		π
<i>320</i>	<i>330</i>	<i>5/6</i>	<i>55</i>									3	<i>>10</i>		π
<i>330</i>	<i>340</i>	<i>8/0</i>	<i>79</i>									3	<i>>10</i>		π
<i>340</i>	<i>350</i>	<i>6/6</i>	<i>65</i>									2	<i>>10</i>		π
<i>350</i>	<i>360</i>	<i>5/4</i>	<i>53</i>									2	<i>>10</i>		π
<i>360</i>	<i>370</i>	<i>4/8</i>	<i>47</i>									1	<i>8</i>		π
<i>370</i>	<i>380</i>	<i>9/9</i>	<i>98</i>									1	<i>7</i>		π
<i>380</i>	<i>390</i>	<i>8/10</i>	<i>89</i>									1	<i>6</i>		π
<i>390</i>	<i>400</i>	<i>8/2</i>	<i>81</i>									2	<i>>10</i>		π

ASB



DRILL LOG

SHEET NO.

LOCATION WREDE RANGE		CO-ORDINATES		NORTH			EAST			ELEVATION		SHEET NO.							
				132			94			N 5035		5	5						
DATE STARTED		DATE COMPLETED		SURVEYS			HOLE SIZE		TOTAL DEPTH		HOLE NO.								
16/08/75		22/08/75					0	-60	050	491	-62	BQ	491	D.D.H. BQ#1					
DEPTH		CORE		LITHOLOGY			ALTERATION			MINERALIZATION			STRUCTURE		Graph Log				
From	To	Length	%Rec										F	V/Ft		F/Ft			
400	410	7/2	71	<p>400-491 (END)</p> <p>93 feld. diorite porphyry increasing amount of shearing parallel to core axis - light green and schistose</p> <p>426-441/6" shearing // to core axis</p> <p>441/6" - 491 END intensely sheared - foliation generally // to core axis</p>			<p>alteration pervasive chlorite mainly LESS EPIDOTE altho' still present in MINOR amounts</p> <p>chlorite / talc schistosity</p>			<p>5-10% Sulphides 404/6" minor cpy 1/10 S₂ fracture fill</p> <p>426-428 >10% py + cpy</p> <p>Sulphides (5-10%) predominantly on fracture faces and in veins - mostly pyrite but minor fine grained cpy and V. minor MoS₂ present on dry and wet (SiO₂) fracture veins 5-10% py < 1% cpy.</p>						π			
410	420	5/9	58													2	>10		π
420	430	3/5	34													1	>10		π
430	440	1/10	19													2	>10		π
440	450	4/2	41													1	>10		π
450	460	4/8	47													5	>10		π
460	470	5/9	58													6	>10		π
470	480	6/9	68													4	>10		π
480	490	5/4	53													5	>10		π
490	491	0/6	50													4	>10		π

J. Bates
23 Oct 75

DRILL LOG

LOCATION WREDE RANGE				CO-ORDINATES		NORTH		EAST		ELEVATION		SHEET NO.							
						132		100		5000		2	5						
DATE STARTED		DATE COMPLETED		SURVEYS						HOLE SIZE	TOTAL DEPTH	HOLE NO.							
23/08/75		28/08/75				0	-60	230	445	-60	30	445	D.D.H. 3D #2						
DEPTH		CORE		LITHOLOGY				ALTERATION		MINERALIZATION		STRUCTURE		Graph Log					
From	To	Length	% Rec									F	V/FI	F/FI	Log				
100	110	9/7	96	100 - 131 } dark green andesitic breccia				both selective and pervasive zones of epidote alteration		1-3% pyrite.					Δ				
110	120	9/8	97													2	3		Δ
120	130	9/5	94																
130	140	9/3	92	131 - 140'3" } BANDED TUFF SECTION from f.g. silicified ash-tuff → equigranular steep to sub-vertical bedding graywacke tuff. against the core axis.				- silicification - epidote/calcite veins chl and minor secondary biotite		PYRITE AND PYRRHOTITE bands in silicified tuff bands 5-10% weakly magnetic.					Δ				
140	150	9/10	99	140'3" - 162 } dark green andesitic breccia				qtz/calcite/epidote veins 45° with core chl. alt. pervasive		1-3% py.					Δ				
150	160	9/2	91													7	3		Δ
160	170	7/1	70									162 - 166 } banded silicified tuff				as above tuff section		5-10% py/pyrr.	
170	180	9/1	90	166 - 177 } dark green andesitic breccia				as above and. 6x section		1-3% py					Δ				
180	190	9/10	99													8	10		Δ
190	200	9/11	99									177 - 200+ } banded silicified tuffs - brecciated in part well developed sedimentary tuff beds.				as above in tuff section banding sub-V to core axis		5-10% banded pyrite and pyrrhotite in silicified ash-tuff	

LOCATION WREDE RANGE		CO-ORDINATES		NORTH			EAST			ELEVATION		SHEET NO.			
DATE STARTED		DATE COMPLETED		SURVEYS			HOLE SIZE			TOTAL DEPTH		HOLE NO.			
23/08/75		20/08/75		0 - 60 230			445 - 60			30		445		D.D.H. 3D #2	
DEPTH		CORE		LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE			Graph Log					
From	To	Length	% Rec				F	V/F	F/F						
300	310	9/4	93	300-333 silicified banded tufts - dominantly fg ash-tufts.	silicification chlorite/FF.	>10% sulphides dissem - bedded py and pyr. dry py/FF.		2	4						
310	320	7/6	75					6	>10						
320	330	9/10	99					7	4						
330	340	9/4	93	333-348 equigranular diorite	pervasive chl. and chl./FF.	3-5% dissem pyrite		4	5						
340	350	9/5	94					3	4						
350	360	8/3	82	348-357'6" banded tufts - ash to lapilli size	chloritic tufts. LESS silicification.	1-3% sulphides - mostly as pyrite									
360	370	9/9	98					1	5						
370	380	9/2	91	357'6"-374 feld. diorite porphyry	pervasive chloritic alteration chl. FF.	1-3% pyrite									
370	380	9/2	91					4	>0						
380	390	7/6	75	374-376 376-377 377-386'6" microdiorite feld. diorite porphyry green andesite	pervasive chl & chl/FF. chloritic andesite	1-3% pyrite									
380	390	7/6	75					>10	>0						
390	400	6/3	62	386'6"-400+ (green to bleached) feldspar diorite porphyry brecciated in part shearing at 45° angle to core axis	pervasively alt. chl./clays/silica - fault/shear planes and silicified.	3-5% sulphides minor ep/FF py-dissem and r/f									
390	400	6/3	62					>10	>10						



B. P. MINERALS LTD

FLEET PEAK

ORTHO PHOTO MAP **FIGURE I**



**McElhanney
Surveying &
Engineering Ltd.**

1200 West Pender Street, Vancouver B.C. Canada

Scale	1" = 1000'
Contour Interval	50'
Date	May 28, 1974
Job No.	06041-3
Sheet No.	1 of 1



◊ Diamond Drill Location

BIRD CLAIMS

5661 M-2

Plot PE 230478