



411055W0027 0024 BALDWIN

010

Diamond Drilling

Township OF BALDWIN

Report NO: 35

Work performed by: UNITED COBALT MINES LTD.

| Claim NO | Hole NO | Footage | Date | Note |
|---------------------|---------|---------------|--------|------|
| S 90707 | # 7 | 123' | Feb/56 | |
| | # 8 | 205' | Feb/56 | |
| | # 9 | 211' | Feb/56 | |
| | # 10 | 223.5' | Feb/56 | |
| | # 11 | 353' | Feb/56 | |
| | # 12 | 234' | Feb/56 | |
| | # 13 | 305' | Feb/56 | |
| | # 14 | 265' | Feb/56 | |
| | # 15 | 243' | Mar/56 | |
| | # 16 | 226' | Mar/56 | |
| | # 17 | 299' | Mar/56 | |
| | # 18 | 326' | Mar/56 | |
| | # 20 | 281' | Mar/56 | |
| | # 21 | 598' | Apr/56 | |
| <i>TOTAL: 14 DH</i> | | <i>3892.5</i> | | |

Notes:

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP HOLE NO. 7

SHEET NUMBER 1 SECTION FROM 0 TO 101'10" STARTED Feb. 3, 1956
~~XXXXXXXX~~ DATUM _____ COMPLETED Feb. 4, 1956
 LOCATION: ~~XXXXXXXX~~ BEARING N25° W (True) Mag. Dev. 7°W ULTIMATE DEPTH 123 Ft.
 ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD † |
|---------------|---|-----------|-----------------|--------|---------------|
| 0 - 14 | Casing: Semi consolidated gravel (hardpan) & drift | | | | |
| 14 - 49 | Gabbro: Fine textured dark green-black. Slightly sheared to give chlorite faced break planes. Some splashes of tiny veinlets of quartz - carbonate. At 22 ft. a 1" stringer of qtz. =carb. Some fine disseminated pyrrhotite throughout. Texture becomes coarse at end of section, beginning at approx. 34 ft. Some of the white Feldspars show some hematite stain if in diorite sections. | | | | |
| 49 - 64.5 | Schist: Chlorite schist - schistosity 45° - 50° to core axis - no min. | | | | |
| 64.5 - 89'7" | Gabbro -Schist: Alternate bands. Coarse gabbro to 68 ft. then slightly silicified schist & gabbro alternating with increasing amount of schist & silicification to 89 ft. 7 inches where rock all schist. | | | | |
| 89'7"-101'10" | Vein Zone: Shear zone in schist with 50% quartz filling and silification. Pyrrhotite & chalcopyrite mineralization. Shear 45° to core axis. | | | | |

Drilled by: Baderski D. D. Co. Ltd. - Timmins, Ont.

Sgd. F. C. Perry

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 TO FOLLOW**

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP HOLE NO. 7

SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------|--|------------------|----------------|-------|----|------|----|--------|-------|---------|--|--|--|----|-------|-------|------|--|--|--|----|-------|-----|------|--|--|--|----|----|-----|------|-----|-----|-------|--|--|--|
| 101'10"- 106'6" | Schist: as section 49 - 64.5" Ft. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106'6" - 123 | Gabbro: coarse; dark green - black - solid. A little white feldspar where rock dioritic - no min. Core rocked in core rock 300 ft. E. of hole Samples taken: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>No.</th> <th>From</th> <th>To</th> <th>CU</th> <th>AU</th> <th>Ni</th> <th>Co</th> </tr> </thead> <tbody> <tr> <td>65</td> <td>89'10"</td> <td>92'6"</td> <td>0.05</td> <td></td> <td></td> <td></td> </tr> <tr> <td>66</td> <td>92'6"</td> <td>96'2"</td> <td>1.20</td> <td></td> <td></td> <td></td> </tr> <tr> <td>67</td> <td>96'2"</td> <td>98"</td> <td>0.22</td> <td></td> <td></td> <td></td> </tr> <tr> <td>68</td> <td>98</td> <td>101</td> <td>1.40</td> <td>N11</td> <td>N11</td> <td>0.205</td> </tr> </tbody> </table> | No. | From | To | CU | AU | Ni | Co | 65 | 89'10" | 92'6" | 0.05 | | | | 66 | 92'6" | 96'2" | 1.20 | | | | 67 | 96'2" | 98" | 0.22 | | | | 68 | 98 | 101 | 1.40 | N11 | N11 | 0.205 | | | |
| No. | From | To | CU | AU | Ni | Co | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 89'10" | 92'6" | 0.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 92'6" | 96'2" | 1.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 96'2" | 98" | 0.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 98 | 101 | 1.40 | N11 | N11 | 0.205 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>3.6'</td> <td>)</td> </tr> <tr> <td>1.8'</td> <td>)</td> </tr> <tr> <td>3.0'</td> <td>)</td> </tr> <tr> <td>8.4-</td> <td>)</td> </tr> </tbody> </table> | 3.6' |) | 1.8' |) | 3.0' |) | 8.4- |) | 1.18 CU | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.6' |) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8' |) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0' |) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.4- |) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Drilled by: Baderski - Timmins | | | Sgd. F. C. Perry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Baldwin Twp. HOLE NO. 7

SHEET NUMBER 1 SECTION FROM 0 TO 101' 10" STARTED Feb. 3, 1956
 METHOD _____ DATUM _____ COMPLETED Feb. 4, 1956
 LOCATION: _____ BEARING N25°W (true) Mag Dec. = 7°W ULTIMATE DEPTH 123 Ft.
 DEPARTURE _____ DIP -45°N PROPOSED DEPTH Vein Intersection
 ELEVATION _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SILVER % |
|-----------------|---|-----------|-----------------|--------|----------|
| 0 → 14 | Casing: Semi-consolidated gravel (hardpan) & drift | | | | |
| 14 → 49 | Gabbro: Fine textured dark green-black. Slightly sheared to give chlorite faced break planes. Some spots of tiny veils of quartz-carbonate. At 22 ft. a 1" string of quartz carb. Some fine disseminated pyroxenite throughout. Texture becomes coarse at end of section, beginning at approx. 34 ft. Some of the white feldspars show some hematite staining in dioritic sections. | | | | |
| 49 → 64.5 | Schist: chlorite schist - schistosity 45° to 50° to core axis - No min. | | | | |
| 64.5 → 89.7 | Gabbro-Schist: Alternate bands. Coarse gabbro to 68 ft then slightly silicified schist & gabbro alternating with increasing amount of schist & silicification to 89 ft. 7 inches where rock all schist. | | | | |
| 89.7 → 101' 10" | Vein Zone: Shear zone in schist with 50% quartz filling and silicification. Pyroxenite & chalcopyrite mineralization. Eten 45° to core axis. | | | | |

DRILLED BY Balerski D.D. Co. Ltd. - Timmins, Ont SIGNED F. J. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Baldwin Twp. HOLE NO. 7

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SILVER % |
|-----------------|---|-----------|-----------------|--------|----------|
| 101.6" → 106.6" | Schist: as section 49 → 64.5 ft. | | | | |
| 106.6" → 123 | Gabbro: coarse & dark green-black - solid. A little hematite stain on some of the white feldspars where rock dioritic - No min. | | | | |
| | Core raked in core rack 300 ft E of hole | | | | |
| | Samples taken: | | | | |
| | No | From | To | | |
| | 65 | 89' 10" | 92' 0" | | |
| | 66 | 92' 6" | 96' 2" | | |
| | 67 | 96' 2" | 98' | | |
| | 68 | 98' | 101' | | |
| | | | | 0.0 | 0.0 |
| | | | | 1.20 | 3.6 |
| | | | | 0.23 | 1.8 |
| | | | | 1.40 | 3.4 |

101' 10" 68'

DRILLED BY Balerski - Timmins SIGNED F. J. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - Baldwin Twp. HOLE NO. 8

SHEET NUMBER 1 SECTION FROM 0 TO 156.6 STARTED Feb. 5, 1956

~~XXXXXXXXXX~~ DATUM _____ COMPLETED Feb. 6, 1956

Location: ~~XXXXXXXXXX~~ BEARING N5°W (true) Mag. Dev. = 7°W ULTIMATE DEPTH 205 ft.

ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % |
|-------------|--|-----------|-----------------|--------|---------------|
| 0 - 14 | Casing: boulders & drift. | | | | |
| 14 - 58 | Sediment: - Gabbro: Stringers, blobs, splashes 6' short sections of coarse gabbro (10% of core) all in a siliceous fine grained grey rock - possibly an altered graywacke or tuff. Some narrow quartz veins up to 3" wide ending at 35 ft. | | | | |
| 75 - 58 | Gabbro sections increase in number & lengthen to make up 25% of core. Little if any minerals. | | | | |
| 58 - 139 | Gabbro: Coarse = 4-8 light coloured Feldspars - some hematite staining of those. Could be called diorite but by area convention is called gabbro. | | | | |
| 139 - 145 | Quartzite: Pink - very fine - 34° to core axis. | | | | |
| 145 - 147 | Gabbro: As above but sheared. | | | | |
| 147 - 156.5 | Schist: Vein zone - green soft chloritic schist - silicified with mineralization from 151'7" - 156 - chalcopryrite & pyrrhotite. A little of this is scattered over whole section. | | | | |

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Drilled by Baderski D.D. Co. Ltd. - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - Baldwin Twp HOLE NO. 8

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g | | | | | | | | | | | |
|-------------|--|-----------|-----------------|-----------|---------------|----|--------|------|------|----|------|------|------|--|--|--|
| 156.5 - 163 | Gabbro: Coarse as section 58 - 139 | | | | | | | | | | | | | | | |
| 163 - 165 | Schist: as before - no min. except at 163.5 where a 2" qtz. vein carries some chalc. pyrite. | | | | | | | | | | | | | | | |
| 165 - 180 | Gabbro: Coarse as before | | | | | | | | | | | | | | | |
| 180 - 181.5 | Quartz Vein: white - barren | | | | | | | | | | | | | | | |
| 181.5 - 188 | Mainly Schist: 2" qtz. vein at 186.5 + chalcopyrite for 4" | | | | | | | | | | | | | | | |
| 188 - | Gabbro: coarse - as before | | | | | | | | | | | | | | | |
| | Core racked in core rack 500 ft. East | | | | | | | | | | | | | | | |
| | Samples taken: | | | | | | | | | | | | | | | |
| | <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;"><u>Na</u></th> <th style="text-align: left;"><u>From</u></th> <th style="text-align: left;"><u>To</u></th> <th style="text-align: left;"><u>Cu</u></th> </tr> </thead> <tbody> <tr> <td>69</td> <td>151'7"</td> <td>155'</td> <td>0.24</td> </tr> <tr> <td>70</td> <td>155'</td> <td>156'</td> <td>0.20</td> </tr> </tbody> </table> | <u>Na</u> | <u>From</u> | <u>To</u> | <u>Cu</u> | 69 | 151'7" | 155' | 0.24 | 70 | 155' | 156' | 0.20 | | | |
| <u>Na</u> | <u>From</u> | <u>To</u> | <u>Cu</u> | | | | | | | | | | | | | |
| 69 | 151'7" | 155' | 0.24 | | | | | | | | | | | | | |
| 70 | 155' | 156' | 0.20 | | | | | | | | | | | | | |

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Drilled by Baderski - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Baldwin Twp. HOLE NO. 8

SHEET NUMBER 1 SECTION FROM 0 TO 156.5 STARTED Feb 5, 1956
 LATITUDE _____ DATUM _____ COMPLETED Feb 6, 1956
 DEPARTURE _____ BEARING N 5° 16' (true) Mag Dev = 7° W ULTIMATE DEPTH 205 ft.
 ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | AGREEMENT |
|-------------|--|-----------|-----------------|--------|-----------|
| 0 → 14 | Casing: boulders of drift. | | | | |
| 14 → 58 | Gabbro? Gabbro? Stringers, blobs, galena has 5' short sections of coarse gabbro (10% of core) all in a siliceous fine grained gray rock - possibly an altered greywacke or tuff. Some narrow gtz veins up to 3" wide ending at 35 ft. Gabbro sections increase in number & length then to make up 25% of core. Little if any mineralization. | | | | |
| 58 → 139 | Gabbro: Coarse - 40% light coloured feldspars - some hematite staining of those. Could be called diorite but by area convention is called gabbro. | | | | |
| 139 → 145 | Quartzite: Pink - very fine - 45° to core axis. | | | | |
| 145 → 147 | Gabbro: as above but sheared. | | | | |
| 147 → 156.5 | Schist: Vein zone - green, soft chloritic schist - siliceous with mineralization from 157' 7" → 156 - chloropyrite & pyrrhotite. A little of this is scattered over whole section. | | | | |

DRILLED BY Robert D. P. L. Th. - Timmins SIGNED A. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Baldwin Twp. HOLE NO. 8

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | AGREEMENT |
|-------------|--|-----------|-----------------|--------|-----------|
| 156.5 → 163 | Gabbro: coarse as section 58 → 139 | | | | |
| 163 → 165 | Schist; as before - no min except at 163.5 where a 2" gtz vein carries some chloropyrite | | | | |
| 165 → 180 | Gabbro: coarse - as before | | | | |
| 180 → 181.5 | Quartz Vein: white - 60.00 | | | | |
| 181.5 → 188 | Mainly Schist: 2" gtz vein at 186.5 + chloropyrite for 4" | | | | |
| 188 → | Gabbro: coarse - as before | | | | |
| | Core raked in core rock 500 ft East. | | | | |
| | Samples taken: | | | | |
| | No From To | | | | |
| | 69 157' 7" 155' | | 64 | | |
| | 70 155' 156' | | 324 | | |
| | | | 220 | | |

DRILLED BY Robert D. P. L. Th. - Timmins SIGNED A. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD., - Baldwin Twp HOLE NO. 9

SHEET NUMBER 1 SECTION FROM 0 TO 155 STARTED Feb. 11, 1956
~~XXXXXXXX~~ DATUM _____ COMPLETED Feb. 12, 1956
 LOCATION: ~~XXXXXXXX~~ BEARING N15°W(T) -Mag. Dev. +7°W ULTIMATE DEPTH 211 ft.
 ELEVATION _____ DIP - 45° N PROPOSED DEPTH Vein Intersectio

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g |
|------------|--|-----------|-----------------|--------|---------------|
| 0 - 16 | Casing: Glacial drift & boulders | | | | |
| 16 - 146 | Gabbro: Coarse textured - solid - some hematite staining of white feldspars. A few 1/4" stringers of carbonate - qtz. 56.5 One bleb of chalcopryrite size of a dime. 76 2" qtz. stringer - no mineralization 73 - 83 Very coarse. 102 - 103 Qtz. vein - 25° to core axis - no minerals. 114 - 122 Very coarse - hornblende chrystals up to 1/2" long. Few specks of chalcopryrite at 121 feet. 128 - 131 Very coarse - hornblende chrystals up to 1" long. 137 - 140 " " " " " 1/2" " | | | | |
| 146 - 152 | Quartzite: 6" vein qtz. at upper contact. One inch qtz. stringer at 149.5 Ft. Rest of section light pink in colour. No grains of qtz. apparent - just possibly a section of gabbro silicified to extent of 100%. Tiny amount of disseminated py.; pyrrh; and chalcopryrite. | | | | |
| 152 - 155 | Gabbro: First foot sheared with fair amount py.; pyrrh; and a little chalcopryrite - Rest of section is coarse gabbro. | | | | |

Drilled by: Baderski - Timmins

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD., - BALDWIN TWP. HOLE NO. 9

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ |
|-------------|---|-----------|-----------------|---------|----------------------|
| 155 - 166 | Sediment - Gabbro: Fine grained light gray, siliceous. Possibly an altered greywacke or Tuff. Some shearing 45" to core axis. Splashes of gabbro. | | | | |
| | 155.5 2" Fracture zone Carb. - qtz. filled. | | | | |
| 166 - 176 | Gabbro: Mainly coarse with a few short sections of sediment as above. | | | | |
| | 174 2" carb. -qtz. vein. | | | | |
| 176 - 183.5 | Vein Zone: Highly silicified schist - almost all grey qtz. Shows schistosity 45° to core axis. | | | | |
| | 179 - 181'8" Chalcopyrite mineralization - light. | | | | |
| | 181'8" - 184'6" Mostly schist with some pyrrhotite and pyrite minerals - very little chalcopyrite. | | | | |
| | 184'6" - 185 1" qtz. vein and some chalcopyrite over section. | | | | |
| | 185 - 188 Mostly schist - some py. & pyrrhotite. - very little chalcopyrite. | | | | |
| | 133 - 189'6" Qtz. & chalcopyrite. | | | | |
| 189.5 - 211 | Gabbro: Coarse - some hematite staining of white feldspars. | | | | |
| | 189.5 - 193 Some qtz. stringers - very little min. | | | | |
| Samples | #71 179 to 181'8" - 0.72 | | | | CORE IN CORE RACK |
| | #72 188 to 189'6" - 0.45 | | | | |

Drilled by Baderski - Timmins

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DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Ballwin Top HOLE NO. 9

SHEET NUMBER 1 SECTION FROM 0 TO 155 STARTED Feb. 11, 1956
 DATUM _____ COMPLETED Feb 12, 1956
 BEARING N15°W(7) - Mag Dev = 7h ULTIMATE DEPTH 21 ft.
 DIP -45°N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD | SULFUR |
|------------|--|-----------|-----------------|------|--------|
| 0 → 16 | Casing: Glacial drift & boulders | | | | |
| 16 → 146 | Gabbro: Coarse textured - solid - some hematite staining of white feldspar. A few ft. stringers of carbonate - gtz. | | | | |
| 62.5 | One blk. of chalcopryite size of a dime | | | | |
| 76 | 2" gtz. stringer - no mineralization | | | | |
| 79 → 83 | Very coarse. | | | | |
| 102 → 103 | Gtz vein - 25" to core axis - no mineralization | | | | |
| 114 → 132 | Very coarse - boulders & stals up to 4" long. Few specks of chalcopryite at 121 ft. | | | | |
| 128 → 131 | Very coarse - boulders & stals up to 1" long. | | | | |
| 137 → 140 | " " " " " " 1/2" | | | | |
| 146 → 152 | Quartzite: 6" vein gtz. at upper contact. One inch gtz. stringer at 147.5 ft. Rest of section light pink in color. No iron of gtz. apparent - just possibly a section of gabbro silicified to extent of 100%. Tiny amount of disseminated py; pyrph; & chalcopryite. | | | | |
| 152 → 155 | Gabbro: First foot sheared with fair amount py; pyrph; & a little chalcopryite - Rest of section is coarse gabbro. | | | | |

grams

DRILLED BY Budinski - Timmings SIGNED J. P. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Ballwin Top HOLE NO. 9

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD | SULFUR |
|------------------|--|-----------|-----------------|------|--------------|
| 155 → 166 | Sediment-Gabbro: Fine grained light gray, siliceous. Possibly an altered greywacke or tuff. Some shearing with core axis. Splintered of gabbro | | | | |
| 157.5 | 2" fracture zone carb-gtz filled | | | | |
| 166 → 176 | Gabbro: Mainly coarse with a few short sections of sediment as above | | | | |
| 174 | 2" carb-gtz vein | | | | |
| 176 → 182.5 | Vein Zone: Highly silicified schist - almost all grey gtz. Shows schistosity | | | | |
| 46" to core axis | | | | | |
| 179 → 181.8" | chalcopryite mineralization - light | | | | |
| 181.8" → 184.6" | mostly schist with some pyrrhotite & pyrite mineraliz - very little chalcopryite | | | | |
| 184.6" → 185" | 1" gtz. vein + some chalcopryite over section | | | | |
| 185" → 188" | mostly schist - some pyrrhotite - very little chalcopryite | | | | |
| 188" → 189.6" | gtz + chalcopryite | | | | |
| 189.5 → 211 | Gabbro: Coarse - some hematite staining of white feldspar | | | | |
| 189.5" → 192" | Some gtz. stringers - very little min. | | | | |
| Sample #71 | 179 to 181.8" - 0.72 | | | | CORE IN CORE |
| Sample #72 | 188 to 189.6" - 0.45 | | | | RACK |

DRILLED BY Budinski - Timmings SIGNED J. P. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD., BALDWIN TWP. HOLE NO. 10

SHEET NUMBER 1 SECTION FROM 0 TO _____ STARTED Feb. 14, 1956

LOCATION: _____ DATUM _____ COMPLETED Feb. 15, 1956

BEARING N25° W (T) Mag. Dev. 7°W ULTIMATE DEPTH 223.5 ft.

ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | BLUDGE GOLD % |
|------------|---|-----------|-----------------|--------|---------------|
| 0 - 22 | Casing: Glacial hardpan clay & boulders. | | | | |
| 22 - 54 | Gabbro: As in all other holes this name is applied to a rock that could be called dioxite, but is labelled gabbro from local convention. | | | | |
| 22 - 27 | Fine texture | | | | |
| 27 - 34 | Coarse texture | | | | |
| 54 - 59.5 | Schist: Varies from hornblende -mica to chlorite schist. Contacts gradational | | | | |
| 55 | 1/2" qtz. stringer | | | | |
| 57 | 2" " " + little chalcopryrite. | | | | |
| 59.5 - 65 | Granodiorite: Numerous hairline fractures at all angles to core axis. | | | | |
| 65 - 90.6 | Gabbro: | | | | |
| 65 - 81 | Line texture | | | | |
| 68 - 70 | Light coloured probably due to hydrothermal leaching from many fine fractures that cut core at from 60° to 80°. They are qtz. lined and carry a little chalcopryrite mineraliz. | | | | |
| 81 - 90.6 | <u>Very</u> coarse texture - hematite staining on some of the white feldspars. | | | | |
| 90.6 - 93 | Schist: Chlorite schist - 1/2" qtz. stringer at 92' with a little chalcopryrite. | | | | |

Drilled by: Baderski D.D. Co. - Timmins

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD., BALDWIN TWP. HOLE NO. 10

SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | BLURGE GOLD % |
|---------------|--|-----------|-----------------|--------|---------------|
| 93 - 136 | Gabbro: Coarse textured - some pink hem stain on white Feldspars. | | | | |
| 136 - 142 | Gradational Contact Zone: Mixture of schist & gabbro. | | | | |
| 142 - 158 | Schist: Chlorite schist - schistosity 45° to core axis + few narrow qtz. stringers at same angle. 148'4" - 150' 10" Pyrite min. in schist + some poor chalcopryrite. | | | | |
| 158 - 180'10" | Gabbro: For first few feet - good deal of hairline fracturing 45° to core axis. Rock fairly coarse textured. 177 - 180'10" -Schistose from shearing. Some qtz. filling for 1" width at 178.5 & 179. | | | | |
| 180'10" | Quartzite: One inch wide - pink - about 45° to core axis. | | | | |
| 180'10" - 185 | Schist: -Chlorite schist - 45° to core axis. Little silicification or mineraliz. -Some pyrrhotite. | | | | |
| 185 - 176'8" | Vein Zone: Silicified schist - pyrrh. & chalcopry. mineralization. | | | | |
| 196'8" -198 | Schist: as section 180'10" - 185 | | | | |

Drilled by: Baderski, D.D. Co. - Timmins

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 10

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-----------------|------------|---------------|------------|----|--------|---------|--|--|----|-----|-----|--|--|----|-----|-------|--|--|----|-------|-----|--|--|----|-----|-------|--|--|--|--|--|--|
| 128 - 233.5 | Gabbro: coarse texture - some hematite staining of white feldspars. Samples: <table style="margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>No.</u></th> <th style="text-align: left;"><u>From</u></th> <th style="text-align: left;"><u>To</u></th> <th style="text-align: left;"><u>Cu.</u></th> <th style="text-align: left;"><u>Co.</u></th> </tr> </thead> <tbody> <tr> <td>73</td> <td>148'4"</td> <td>150'10"</td> <td></td> <td></td> </tr> <tr> <td>74</td> <td>181</td> <td>185</td> <td></td> <td></td> </tr> <tr> <td>75</td> <td>185</td> <td>188.5</td> <td></td> <td></td> </tr> <tr> <td>76</td> <td>188.5</td> <td>191</td> <td></td> <td></td> </tr> <tr> <td>77</td> <td>191</td> <td>194.5</td> <td></td> <td></td> </tr> </tbody> </table> Core in core rack. | <u>No.</u> | <u>From</u> | <u>To</u> | <u>Cu.</u> | <u>Co.</u> | 73 | 148'4" | 150'10" | | | 74 | 181 | 185 | | | 75 | 185 | 188.5 | | | 76 | 188.5 | 191 | | | 77 | 191 | 194.5 | | | | | | |
| <u>No.</u> | <u>From</u> | <u>To</u> | <u>Cu.</u> | <u>Co.</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 148'4" | 150'10" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 181 | 185 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 185 | 188.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 188.5 | 191 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 191 | 194.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Drilled by Baderski - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Balkin Twp. HOLE NO. 10

SHEET NUMBER 1 SECTION FROM 0 TO _____ STARTED Feb. 14, 1956
 LATITUDE _____ DATUM _____ COMPLETED Feb. 15, 1956
 DEPARTURE _____ BEARING N 25° W (T) Mag Dev 7° W ULTIMATE DEPTH 223.5 ft.
 ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SILVER % |
|------------|---|-----------|-----------------|--------|----------|
| 0 → 22 | Casing: Glacial hardpan clay & boulders. | | | | |
| 22 → 54 | Gabbro: As in all other holes this name is applied to a rock that could be called diorite, but is like the gabbro from local concentration. | | | | |
| 22 → 27 | Fine texture | | | | |
| 27 → 54 | Coarse " | | | | |
| 54 → 59.5 | Schist: Varies from holde-mica to chlorite schist. Contacts gradational | | | | |
| 55 | 1/2" qtz stringer | | | | |
| 57 | 2" " " + little chalcopyrite | | | | |
| 59.5 → 65 | Granodiorite: Numerous hairline fractures at all angles to core axis. | | | | |
| 65 → 90.6 | Gabbro: | | | | |
| 65 → 81 | fine texture | | | | |
| 68 → 70 | light coloured probably due to hydrothermal leaching from many fine fractures that cut core at from 60° to 80°, they are qtz lined & carry a little chalcopyrite mineralization | | | | |
| 81 → 90.6 | Very coarse texture - hematite staining on some of the white bldgs | | | | |
| 90.6 → 93 | Schist: Chlorite schist - 1/2" qtz stringer at 92' with a little chalcopyrite | | | | |

DRILLED BY Badarski D.D. Co. - Timmins SIGNED [Signature]

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Balkin Twp. HOLE NO. 10

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SILVER % |
|---------------|--|-----------|-----------------|--------|----------|
| 93 → 136 | Gabbro: Coarse textured - some pit hematite stain on white feldspars | | | | |
| 136 → 142 | Gradational Contact Zone: mixture of schist & gabbro | | | | |
| 142 → 158 | Schist: Chlorite schist - schistosity 45° to core axis + few narrow qtz stringers at same angle | | | | |
| 142 → 150.10" | Pyrite min. in schist + some poor chalcopyrite | | | | |
| 158 → 180.10" | Gabbro: For first few feet - good deal of hairline fracturing 45° to core axis. Rock fairly coarse textured. | | | | |
| 177 → 180.10" | Schistose from shearing. Some qtz filling for 1" width at 177.5' | | | | |
| 180' 10" | Quartzite: One inch wide - pink - about 45° to core axis | | | | |
| 180" → 185 | Schist: - Chlorite schist - 45° to core axis. Little silicification or mineralization - some pyroclastic | | | | |
| 185 → 186.8" | Vein Zone: silicified schist - pyrocl. & chalcopyrite mineralization | | | | |
| 186" → 198 | Schist: as section 180.10" → 185 | | | | |

DRILLED BY Badarski D.D. Co. - Timmins SIGNED [Signature]

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 11

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 16, 1956

XXXXXXXXXX DATUM _____ COMPLETED Feb. 19, 1956

LOCATION: XXXXXXXXXXXX BEARING N 15° W (T) Mag. Dev. = 7°W ULTIMATE DEPTH 353 ft.

ELEVATION _____ DIP -45° PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % |
|-------------|---|-----------|-----------------|--------|---------------|
| 0 - 26 | Casing: boulders, drift, & hardpan clay. | | | | |
| 26 - 35 | Schist: chlorite schist - schistosity about 25° to core axis. 30 - 32 Some silicification + small amount pyrite & chalcopryrite Estimate 0.1 - 0.2% Cu. | | | | |
| 35 - 73.5 | Gabbro: Many diorite sections as in other holes, varies from coarse to fine texture. Some fractures at 20° and 45° to core axis. Some hematite staining of white feldspars. | | | | |
| 73.5 - 75.5 | Schist: Chlorite; 74 - 74.5 some chalcopy. - 0.7% Cu? | | | | |
| 75.5 - 84.5 | Gabbro: dioritic - coarse. | | | | |
| 84.5 - 97 | Schist: Streaks of biotite about 1/8" thick parallel to schistosity - vary from 25° to core axis at 87 feet to 45° to core axis at 97 feet. | | | | |
| | 84.5 - 85.5 Some silicification + a very little chalcopy. 92.5 1/2" qtz. stringer & few grains of chalcopy. | | | | |
| 97 - 159 | Gabbro: Medium coarse texture - dioritic sections - a little hematite stain in sections. | | | | |

Drilled by Baderski D.D. Co. Ltd. - Timmins, Ontario

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 11

SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD @ | SLUDGE GOLD † |
|-------------|---|-----------|-----------------|--------|---------------|
| 159 - 162 | Schist: chlorite; 160 - 161 ft. qtz. vein - no mineraliz. | | | | |
| 162 - 208 | Gabbro: as before 162 - 6 very coarse - crystals up to 1/2" - some shearing about 20° to core. | | | | |
| 208 | Quartzite: 1 1/2" true width - pink qtzite. | | | | |
| 208 - 215 | Gabbro: as before | | | | |
| 215 - 218.5 | Schist: Chloritic - 217 ft. at 1" qtz. stringer - no min. - schist 40° to core | | | | |
| 218.5 - 226 | Gabbro: as before | | | | |
| 226 - 230 | Schist: as before | | | | |
| 230 - 247 | Gabbro: as before | | | | |
| | 235 - 245.5 Braccia Zone - many fractures all angles to core. | | | | |
| | 241 6" qtz. filling - no min. | | | | |
| | 242.5 6" carb. " - no min. | | | | |
| 247 - 260.5 | Schist: Contacts 10° to core axis. Schistosity 25° to core. | | | | |

Drilled by: Baderski - Timmins

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 11

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % |
|-------------|---|-----------|-----------------|--------|---------------|
| 247 - 260.5 | Schist: (Cont'd) A little qtz. filling at contacts. 251 - 260.5 Vein Zone Silicification - mainly barren of sulphides. 252.5 - 254.5 a very little chalcopy. - some py. 254.5 2" white qtz. 257 - 260 White qtz. - no min. except at 259 259 - 259.5 Chalcopy. - 1.25% Cu? | | | | |
| 260.5 - 317 | Gabbro: Finer & more gabbroic than before 230 6" schist 285 - 6 Schist with 4" white qtz. 305 3" qtz. - carb. | | | | |
| 317 - 323 | Schist. as before - 1st Ft. some py. & pyrrh. | | | | |
| 323 - 353 | Gabbro: dioritic as before & coarse. 338 6" qtz. + chalcopy. - 0.25% Cu? | | | | |
| | No samples taken. Core in rack. | | | | |

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Drilled by: Baderski - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Baffin Twp. HOLE NO. 10

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | CU % |
|-------------|---|-----------|-----------------|--------|------|
| 128 → 222.5 | Gabbro: coarse texture - some hematite staining of white feldspar | | | | |
| | Samples: | | | | |
| | No From To Cu Co. | | | | |
| | 73 148.4" 182.0' | | | | |
| | 74 181 185 | | | | |
| | 75 182 188.5 | | | | |
| | 76 188.5 191 | | | | |
| | 77 191 194.5 | | | | |
| | Core in core rocks | | | | |

D.M.P. FORM 10 - STOCK FORM NO. 501 REV. 12/51

DRILLED BY Badrski - Timouris SIGNED J.C. King

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Baffin Twp. HOLE NO. 11

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb 16, 1956
 LATITUDE _____ DATUM _____ COMPLETED Feb. 19, 1956
 Location: _____ BEARING N 15° W (1) Az. Az. 27° W ULTIMATE DEPTH 353 Ft.
 DEPARTURE _____ DIP -45° N PROPOSED DEPTH See Intersection
 ELEVATION _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | CU % |
|-------------|--|-----------|-----------------|--------|------|
| 0 → 26 | Casing: bamboo, drift, of hardpan clay. | | | | |
| 26 → 35 | Schist: white schist - schistosity about 25° to core axis | | | | |
| 30 → 32 | Some silicification + small amount pyrite of chalcopyrite | | | | |
| | Estimate 0.1 → 0.2 % Cu. | | | | |
| 35 → 73.5 | Gabbro: Many ductile sections as in other holes, varies from coarse to fine texture. Some fractures at 45° to core axis. Some hematite staining of white feldspar. | | | | |
| 73.5 → 76.5 | Schist: white; 74 → 74.5 some chalcopy - 0.7% Cu? | | | | |
| 76.5 → 84.5 | Gabbro: ductile - coarse | | | | |
| 84.5 → 97 | Schist: Strata of biotite about 1/2" thick parallel to schistosity - no. 4. From 25° to core axis at 87 ft to 45° to core axis at 92 ft. | | | | |
| 84.5 → 85.5 | Some silicification + a very little chalcopy. | | | | |
| 92.5 | 1/2" gte stringer + few grains of " | | | | |
| 97 → 159 | Gabbro: Medium coarse texture - ductile sections - a little hematite stain in sections. | | | | |

D.M.P. FORM 10 - STOCK FORM NO. 501 REV. 12/51

DRILLED BY Badrski DDC Ltd - Timouris, O.T. SIGNED J.C. King

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Balkin Twp. HOLE NO. 11

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SULFUR % |
|-------------|---|------------|-----------------|--------|----------|
| 159 → 162 | Schist: albite g 160 → 161 ft. - gtz. 2.14 - no mineralization | | | | |
| 162 → 208 | Gabbro: as before 162 → 166 very coarse - x-tals up to 1/2" - some shearing about 20° to core | | | | |
| 208 | Quartzite: 1 1/2" true width - pink gtz. | | | | |
| 208 → 215 | Gabbro: as before | | | | |
| 215 → 219.5 | Schist: albite - 217 ft. 21" gtz. stringer - no min. - schist 45° to core | | | | |
| 219.5 → 226 | Gabbro: as before | | | | |
| 226 → 230 | Schist: as before | | | | |
| 230 → 247 | Gabbro: as before 235 → 240.5 <u>Brassic Zone</u> - many fractures all angles to core 241 6" gtz. filling - no min. 242.5 6" carb. " - " " | | | | |
| 247 → 260.5 | Schist: Contacts 10° to core axis. Schistosity 25° to core | | | | |

DRILLED BY Bedecki - Timmins SIGNED F. L. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Balkin Twp. HOLE NO. 11

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SULFUR % |
|-------------------|---|------------|-----------------|--------|----------|
| 270 → 260.5 | Schist: (Cont'd) A little gtz. filling at contacts. | | | | |
| 251 → 260.5 | Vein Zone: silicification - mainly bars of sulphides | | | | |
| 252 → 257.5 | very little chalcopy - some py. | | | | |
| 254.5 | 2" white gtz. | | | | |
| 257 → 260 | white gtz. - no min. except at 259 | | | | |
| 259 → 259.5 | chalcopy. - 1.25% Cu ? | | | | |
| 260.5 → 317 | Gabbro: finer & more gabbroic than before 280 6" schist 285 → 286 schist with 4" white gtz. 305 3" gtz. - coarse | | | | |
| 317 → 323 | Schist & as before - 1st ft. some py. & pyrrh. 320 → 321.5 silicification & some py. at 320 ft. | | | | |
| 323 → 353 | Gabbro: dioritic as before & coarse 330 6" gtz. + chalcopy - 0.25% Cu ? | | | | |
| No samples taken. | | | | | |
| Core in rack. | | | | | |

DRILLED BY M. J. Timmins SIGNED F. L. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 12

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 21/56

~~XXXXXXXXXX~~ DATUM _____ COMPLETED Feb. 22/56

LOCATION: ~~XXXXXXXXXX~~ BEARING N30° W(T) Mag. Dev. = 7°W ULTIMATE DEPTH 234 Ft.

ELEVATION _____ DIP - 45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % |
|-------------|--|-----------|-----------------|--------|---------------|
| 0 - 10 | Casing: drift & boulders | | | | |
| 10 - 49.5 | Gabbro: medium texture | | | | |
| 13 - 14.5 | Chlorite schist | | | | |
| 20 - 22 | " " | | | | |
| 20 - 21 | qtz. filling - few specks chalcopryrite. | | | | |
| 27.5 - 32.5 | Fair pyrrhotite mineralization. | | | | |
| 31.5 | 4" qtz. filling. | | | | |
| 34 - 37 | Slightly silicified chlorite - schist - no mineraliz. | | | | |
| 49.5 - 66 | Schist Schistosity 45° core - 1st foot qtz. filled - no mineraliz. | | | | |
| 51 - 51.5 | Chalcopryrite in schist = 0.8% Cu? | | | | |
| 54 - 58 | Heavily silicified - good deal vein qtz. - no mineraliz. | | | | |
| 66 - 175 | Gabbro: Coarse - dioritic - fair amount pink hematite stain on white feldspars. to 78 ft. where rock becomes slightly more gabbroic. | | | | |
| 73 - 75 | A number of narrow bands of schist + introduced qtz. - | | | | |
| 75 - 175 | Sections hydrothermally leached to light greenish colour adjacent to fractures. | | | | |
| 175 - 191.5 | Schist: Chlorite - at top of section - schist cleavage not well developed. | | | | |

Drilled by: Baderski: D.D. Co. Ltd. - Timmins

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 12

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ | | | | | | | | | | | | | | | |
|-------------|--|-----------|-----------------|------------------|----------------|-----|-----|----|-----|-------|----|--------|--------|----|--------|---------|--|--|--|--|
| 175 - 191.5 | Schist: (Cont'd.) | | | | | | | | | | | | | | | | | | | |
| 180 - 188 | <u>Vein Zone</u> : Silicification + some chalcopy. & pyrrh. | | | | | | | | | | | | | | | | | | | |
| 191.5 - 195 | Gabbro: as before | | | | | | | | | | | | | | | | | | | |
| 195 - 213.5 | Schist: chlorite schist with schistosity 45° to core axis. | | | | | | | | | | | | | | | | | | | |
| 203 - 210 | <u>Vein Zone</u> : silicification + chalcopy. & pyrrhotite. | | | | | | | | | | | | | | | | | | | |
| 213.5 - 234 | Gabbro: as before | | | | | | | | | | | | | | | | | | | |
| | <p>Samples:</p> <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;"><u>No</u></td> <td style="text-align: center;"><u>From</u></td> <td style="text-align: center;"><u>To</u></td> </tr> <tr> <td style="text-align: center;">78</td> <td style="text-align: center;">184</td> <td style="text-align: center;">186</td> </tr> <tr> <td style="text-align: center;">79</td> <td style="text-align: center;">186</td> <td style="text-align: center;">188.5</td> </tr> <tr> <td style="text-align: center;">80</td> <td style="text-align: center;">203'9"</td> <td style="text-align: center;">207'2"</td> </tr> <tr> <td style="text-align: center;">81</td> <td style="text-align: center;">207'2"</td> <td style="text-align: center;">209'10"</td> </tr> </table> <p>Core in core rack.</p> | <u>No</u> | <u>From</u> | <u>To</u> | 78 | 184 | 186 | 79 | 186 | 188.5 | 80 | 203'9" | 207'2" | 81 | 207'2" | 209'10" | | | | |
| <u>No</u> | <u>From</u> | <u>To</u> | | | | | | | | | | | | | | | | | | |
| 78 | 184 | 186 | | | | | | | | | | | | | | | | | | |
| 79 | 186 | 188.5 | | | | | | | | | | | | | | | | | | |
| 80 | 203'9" | 207'2" | | | | | | | | | | | | | | | | | | |
| 81 | 207'2" | 209'10" | | | | | | | | | | | | | | | | | | |
| | Drilled by: Baderski - Timmins | | | | | | | | | | | | | | | | | | | |
| | | | | Sgd. F. C. Perry | | | | | | | | | | | | | | | | |

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 TO FOLLOW**

DIAMOND DRILL RECORD

PROPERTY United Cabott Mines Ltd. - Bellwin Twp. HOLE NO. 12

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 21/56
 DATUM _____ COMPLETED Feb. 22/56
 BEARING N 30° W (9) Mag. Dev. 7° ULTIMATE DEPTH 234 Ft.
 DIP - 45° N PROPOSED DEPTH Var. Intersecton

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SULPH. |
|-------------|--|------------|-----------------|--------|--------|
| 0 → 10 | Casing: drift & boulders | | | | |
| 10 → 49.5 | Gabbro: medium texture | | | | |
| 13 → 14.5 | chlorite schist | | | | |
| 20 → 22 | " " | | | | |
| 20 → 21 | gta. filling - low specks chalc. pyrite | | | | |
| 22.5 → 22.5 | fine pyroxenite mineralization | | | | |
| 21.5 | 4" gta. filling | | | | |
| 24 → 27 | slightly silicified chlorite schist - no mineral. | | | | |
| 42.5 → 66 | Schist: schistosity 45° to core - 1" feet gta. filled - no mineral | | | | |
| 51 → 51.5 | chalc. pyrite in schist - 0.87% Cu. | | | | |
| 57 → 58 | heavily silicified - good deal vein gta. - no mineral. | | | | |
| 66 → 175 | Gabbro: coarse - dioritic - fine garnet, pink kyanite stain on white feldsp. To 70ft. where rock becomes slightly more p'abrog. Number of narrow bands of schist & introduced gta. Sections hydrothermally leached to light greenish colour adjacent to fractures. | | | | |
| 175 → 175.5 | Schist: chlorite - at top of section - schist cleavage not well developed. | | | | |

DRILED BY Budarski P.O. Co. Ltd. - Timmins SIGNED J. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cabott Mines Ltd. - Bellwin Twp. HOLE NO. 12

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SULPH. | | | | | | | | | | | | | | | | | | | | |
|--|--|------------|-----------------|--------|--------|--------|-----|------|----|--|----|-----|-----|--|----|-----|-------|--|----|--------|--------|--|----|--------|---------|
| 175 → 175.5 | Schist: (Cont'd.) | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 → 180 | Vein Zone: Silicification + some chalc. py. & pyrrh. | | | | | | | | | | | | | | | | | | | | | | | | |
| 191.5 → 195 | Gabbro: as before. | | | | | | | | | | | | | | | | | | | | | | | | |
| 195 → 213.5 | Schist: chlorite schist with schistosity 45° to core axis. | | | | | | | | | | | | | | | | | | | | | | | | |
| 207 → 210 | Vein Zone: silicification + chalc. py. & pyroxenite | | | | | | | | | | | | | | | | | | | | | | | | |
| 213.5 → 234 | Gabbro: as before | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="margin: auto;"> <thead> <tr> <th>Sample</th> <th>No.</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td></td> <td>78</td> <td>154</td> <td>186</td> </tr> <tr> <td></td> <td>77</td> <td>186</td> <td>188.5</td> </tr> <tr> <td></td> <td>80</td> <td>207'9"</td> <td>207'2"</td> </tr> <tr> <td></td> <td>81</td> <td>207'2"</td> <td>207'10"</td> </tr> </tbody> </table> | | | | | | Sample | No. | From | To | | 78 | 154 | 186 | | 77 | 186 | 188.5 | | 80 | 207'9" | 207'2" | | 81 | 207'2" | 207'10" |
| Sample | No. | From | To | | | | | | | | | | | | | | | | | | | | | | |
| | 78 | 154 | 186 | | | | | | | | | | | | | | | | | | | | | | |
| | 77 | 186 | 188.5 | | | | | | | | | | | | | | | | | | | | | | |
| | 80 | 207'9" | 207'2" | | | | | | | | | | | | | | | | | | | | | | |
| | 81 | 207'2" | 207'10" | | | | | | | | | | | | | | | | | | | | | | |
| Core in core rock. | | | | | | | | | | | | | | | | | | | | | | | | | |

DRILED BY Budarski - Timmins SIGNED J. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 13

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 23, 1956

~~XXXXXXXXXX~~ 150 ft. S 30°E(T) from 9+⁰⁰ on B.L. DATUM _____ COMPLETED Feb. 25, 1956

LOCATION: 853 Ft. E; 170 Ft. N. of BEARING N 30° W (T) Mag.Dev.=7°W ULTIMATE DEPTH 305 Ft.

~~XXXXXXXXXX~~ #3 Post Claim S90707 DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g |
|-------------|--|-----------|-----------------|--------|---------------|
| 0 - 6 | Ca 'ng: drift & small boulders | | | | |
| 6 - 175 | Gabbro: Adjacent to numerous fractures at all angles to core axis rock is hydrothermally leached to light green in colour. Various short sections show fair amount hematitic staining of white feldspars. 27' 1" qtz. vein + hematite stain. | | | | |
| 175 - 195 | Schist: Chlorite schist - schistosity, 50° to core axis. 177.5 - 187 <u>Vein Zone</u> : silicified and in sections mineralized with pyrrhotite and chalcopy - the pyrrh. most plentiful at edges pf mineraliz. zone - the chalcopy in the cen-re. | | | | |
| | 183 - 195 Schistose gabbro (?) - much chlorite - fine texture. 194 - 3" carbonate - qtz. filling - as mineraliz. | | | | |
| 195 - 204 | Gabbro: coarse with last 3 ft. showing 1 ft. qtz. & 2' silicification. | | | | |
| 204 - 221 | Schist: Chloritic - 45° to core axis - no mineralized sections. 208 - 216 <u>Vein Zone</u> : Sulfification + pyrrh. & chalcopy. 216 - 221 Little chalcopy & pyrrh. mineraliz. | | | | |
| 221 - 226.5 | Gabbro: As before | | | | |

Drilled by: Baderski D.D. Co. Ltd. - Timmins

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP HOLE NO. 13

SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|-------------|-----------------|-------------|---------------|-----------|------------------|-----------|-----------|--|----|-----|-----|-------|---|--|---|--|----|-------|-------|--|--|------|------|--|----|-------|-------|--|--|------|-------|--|----|---------|--------|--|--|------|----|--|--|--|--|
| 226.5 - 247.5 | Schist: as before 230.5 - 233 <u>Vein Zone</u> : silicification - weak chalcopy. & pyrrh. - 0.12 Cu?? 239 2" silification + chalcopy. 1.0% Cu.? 242 6" " + " 0.7% Cu.? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 247.5 - 254 | Gabbro: as before | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 254 - 280 | Quartz Vein: 20° to core axis - 66% core is qtz. + carbonate. - carbonate is within fractures in the qtz. largely vein fills breccia zone in gabbro - barren of visible mineraliz. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 - 305 | Gabbro: as before Core in rack. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Samples:</th> <th style="text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>From</u></th> <th style="text-align: center;"><u>To</u></th> <th style="text-align: center;"><u>Au</u></th> <th style="text-align: center;"><u>Ag</u></th> <th style="text-align: center;"><u>Cu</u></th> <th style="text-align: center;"><u>Co</u></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">82</td> <td style="text-align: center;">275</td> <td style="text-align: center;">279</td> <td style="text-align: center;">0.005</td> <td style="text-align: center;">-</td> <td></td> <td style="text-align: center;">-</td> </tr> <tr> <td></td> <td style="text-align: center;">83</td> <td style="text-align: center;">208.5</td> <td style="text-align: center;">212.5</td> <td></td> <td></td> <td style="text-align: center;">0.27</td> <td style="text-align: center;">0.02</td> </tr> <tr> <td></td> <td style="text-align: center;">84</td> <td style="text-align: center;">212.5</td> <td style="text-align: center;">216.5</td> <td></td> <td></td> <td style="text-align: center;">0.70</td> <td style="text-align: center;">0.025</td> </tr> <tr> <td></td> <td style="text-align: center;">85</td> <td style="text-align: center;">177'10"</td> <td style="text-align: center;">182'5"</td> <td></td> <td></td> <td style="text-align: center;">0.49</td> <td style="text-align: center;">tr</td> </tr> </tbody> </table> | Samples: | <u>No.</u> | <u>From</u> | <u>To</u> | <u>Au</u> | <u>Ag</u> | <u>Cu</u> | <u>Co</u> | | 82 | 275 | 279 | 0.005 | - | | - | | 83 | 208.5 | 212.5 | | | 0.27 | 0.02 | | 84 | 212.5 | 216.5 | | | 0.70 | 0.025 | | 85 | 177'10" | 182'5" | | | 0.49 | tr | | | | |
| Samples: | <u>No.</u> | <u>From</u> | <u>To</u> | <u>Au</u> | <u>Ag</u> | <u>Cu</u> | <u>Co</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 82 | 275 | 279 | 0.005 | - | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 83 | 208.5 | 212.5 | | | 0.27 | 0.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 84 | 212.5 | 216.5 | | | 0.70 | 0.025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 85 | 177'10" | 182'5" | | | 0.49 | tr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Drilled by: Baderski - Timmins | | | | | | Sgd. F. C. Perry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Balkwin Twp. HOLE NO. 13

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 23, 1956
 LOCATION 150ft S 30° E W from 9100 on B.L. COMPLETED Feb 25 1956
 DEPARTURE 855 ft. E; 170 ft. N. of BEARING N 30° W (V) Mag. Dev. 27° W ULTIMATE DEPTH 305 ft.
 ELEVATION #3 Post Claim S. 90707 DIP - 45° N PROPOSED DEPTH V. Intersect.

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SILICA |
|-------------|---|------------|-----------------|--------|--------|
| 0 → 6 | Casing: drift & small boulders | | | | |
| 6 → 175 | Gabbro: Adjacent to numerous fractures at all angles to core and rock is hydrothermally leached to light green in colour. Various short sections show fine enstat hematite staining of white Feldspars. | | | | |
| 27' | 1" gr. vein + hematite stain | | | | |
| 175 → 195 | Schist: chlorite schist - schistosity so to core axis | | | | |
| 175.5 → 187 | Vein Zone: silicified in sections mineralized with pyrrhotite & chalcopy - the pyrrh. most plentiful at edges - & mineraliz. zone - the chalcopy in the centre. | | | | |
| 187 → 195 | Schistose gabbro(?) - mod. chlorite - fine texture | | | | |
| 194 | 3" carbonate - gr. filling - no mineraliz. | | | | |
| 195 → 204 | Gabbro: coarse with last 8ft. showing 1/2 gr. & 2" silicification | | | | |
| 204 → 221 | Schist: chloritic - 45° to core axis - some mineralized sections | | | | |
| 208.5 → 216 | Vein Zone: silicification + pyrrh. & chalcopy | | | | |
| 216 → 221 | Little chalcopy & pyrrh. mineraliz. | | | | |
| 221 → 226.5 | Gabbro: as before | | | | |

DRILLED BY Budarski D.D. Co. Ltd. - Timmins SIGNED F.L. Lang

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Balkwin Twp. HOLE NO. 13

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SILICA |
|---------------|---|------------|-----------------|--------|--------|
| 226.5 → 247.5 | Schist: as before | | | | |
| 230.5 → 233 | Vein Zone: silicification - weak chalcopy & pyrrh. - 2.1% Cu?? | | | | |
| 237 | 2" silicification + chalcopy | | 1.0% Cu? | | |
| 242 | 6" " + " | | 0.7% Cu? | | |
| 247.5 → 254 | Gabbro: as before | | | | |
| 254 → 280 | Quartz Vein: 20° to core axis - 66% core is gr. + carbonate - carbonate is within fractures in the gr. largely. Vein fills breccia zone in gabbro - barren - visible mineraliz. | | | | |
| 280 → 305 | Gabbro: as before | | | | |
| | Core in rock | | | | |
| | Samples: No. From To Au Ag Cu Co | | | | |
| | 82 275 279 | | 0.005 | | |
| | 83 208.5 212.5 | | | 0.27 | 0.02 |
| | 84 212.5 216.5 | | | 0.70 | 0.025 |
| | 85 179.5 182.5 | | | 0.49 | |

DRILLED BY Budarski - Timmins SIGNED F.L. Lang

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 14

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 27/56

~~XXXXXXXX~~ 150 ft. S. 30° E from 10 +⁰⁰ on B.L. DATUM _____ COMPLETED Feb. 29, 1956

Location: or
~~XXXXXXXX~~ 170' N; 855' E of #3 BEARING N 30° W (OT) Mag. Dev. = 7° W ULTIMATE DEPTH 265 feet

ELEVATION Post Claim S90707 DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g |
|-------------|--|-----------|-----------------|--------|---------------|
| 0 - 13 | Casing: drift & small boulders | | | | |
| 13 - 60 | Gabbro: coarse textured - dark black-green - small amount disseminated pyrite in sections. Numerous cracks 25° to core axis show pyrite in sections. Numerous cracks 25° to core axis show some evidence of leaching of rock adjacent to them. | | | | |
| 49 - 59 | Some granitization of gabbro. 1/2" qtz. filling of fracture 20° to core axis at 53 ft. | | | | |
| 60 - 64 | Schist: chlorite - contacts 40° to core - upper one shows 1/2" silicification. No mineraliz. | | | | |
| 64 - 131 | Gabbro: Coarse textured - largely dioritic. | | | | |
| 110 - 131 | Adjacent to cracks silicification and leaching gives rock light green colour. | | | | |
| 131 - 136 | Schist: Schistosity 45° to core. At 135 ft. 3" of silicification + few specks of sulphide. | | | | |
| 136 - 165.5 | Gabbro: Dioritic, coarse, some hematite stain on some of the feldspars. | | | | |
| 164 | Quartzite: 2" pink quartzite. 50° to core. | | | | |

Drilled by: Baderski D. D. Co. Ltd.

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 14

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ |
|-----------------|--|-----------|-----------------|---------|----------------|
| 165.5 - 214 | Schist: Chlorite - 45° to core | | | | |
| 168.5 - 174.5 | <u>Vein Zone</u> : silification + pyrrh. py. & Chalcopy. | | | | |
| 186.5 - 188.5 | Py. pyrrh. & chalco in schist - small amount. | | | | |
| 192 - 204 | Schisted gabbro 45° to core - black. | | | | |
| 192 - 3 | Py. pyrrh. & chalcopy. in schist - small amount | | | | |
| 204 - 214 | <u>Vein Zone</u> : chlorite schist. 1" qtz. - carb. at upper contact | | | | |
| 207-212 | heavy silification + heavy pyrrh. & Chalcopy 207 - 208.5 Disseminated pyrrh. py. & chalco py. from 204 - 214. | | | | |
| 214 - 235 | Gabbro: dark & schistose. | | | | |
| 235 - 242.5 | Schist - Gabbro: alternate bands - little silification over 1" sections + little sulphide at these places. | | | | |
| 242.5 - 265 | Gabbro: sections dioritic. | | | | |
| 264 - 65 | some granitization as before at; 49 - 54 | | | | |
| <u>Samples:</u> | | | | | |
| | <u>No.</u> <u>From</u> <u>To</u> <u>Au</u> <u>Co</u> | | | | |
| | 86 169 174 0.13 0.035 | | | | |
| | 87 204.5 207 0.04 tr | | | | |
| | 88 207 209 1.81 0.09 | | | | |
| | 89 209 212.5 0.13 0.02 | | | | |
| | Core in core rack. | | | | |
| | Drilled by: Baderski - Timmins | | | | |

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Signed. F. C. Perry

DIAMOND DRILL RECORD
 PROPERTY United Cobalt Mines Ltd - Baldwin Twp. HOLE NO. 14

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 27/56
 LOCATION 150 ft. S 30° E from 10x100 on Bl. DATUM _____ COMPLETED Feb. 29, 1956
Location: 170' N; 855' E of #3 BEARING N 30° W (±) Mag. Dec. 7° W ULTIMATE DEPTH 265 feet
 ELEVATION Post Clin S. 90707 DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | GRAB |
|-------------|---|-----------|-----------------|--------|------|
| 0 → 13 | Casing: drift of small boulders | | | | |
| 13 → 60 | Gabbro: coarse textured - dark black-green - small orest disseminated pyrite in sections. Numerous cracks 25° to core axis show some evidence of healing of rock adjacent to them. 49-53 Some granitization of gabbro. 1/2" gte. filling of structure 20° to core axis at 53 ft. | | | | |
| 60 → 64 | Schist: chlorite - contacts 40° to core - upper one shows 1/2" silicification. No minerals. | | | | |
| 64 → 131 | Gabbro: coarse textured - largely dioritic adjacent to cracks silicification & healing gives rock light green color. | | | | |
| 131 → 136 | Schist: schistosity 45° to core. At 135 ft 3% silicification + few specks of sulphide. | | | | |
| 136 → 165.5 | Gabbro: dioritic, coarse, some hematite stain on some of the foliations. | | | | |
| 164 | Quartzite: 2" pink gteite. 50° to core. | | | | |

DRILLED BY Baderski D.D.C. Ltd.

SIGNED F. L. King

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Baldwin Twp. HOLE NO. 14

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | GRAB |
|---------------|--|-----------|-----------------|--------|------|
| 165.5 → 214 | Schist: chlorite - 45° to core | | | | |
| 168.5 → 174.5 | Vein Zone: silicification + pyrrh. py. schalopy. | | | | |
| 186.5 → 188.5 | py. pyrrh. & schalopy in schist - small amount. | | | | |
| 192 → 204 | Schistified gabbro 45° to core - dark | | | | |
| 192 → 5 | py. pyrrh. & schalopy in schist - small amount | | | | |
| 204 → 214 | Vein Zone: chlorite schist. 1/2" gte. carb. at upper contact | | | | |
| 207 → 212 | heavy silicification + heavy pyrrh. & schalopy 207 → 208.5 | | | | |
| | Disseminated pyrrh. py. & schalopy from 204 → 214 | | | | |
| 214 → 235 | Gabbro: dark & schistose | | | | |
| 235 → 242.5 | Schist-Gabbro: alternate bands - little silicification over 1' sections + little sulphide at these places. | | | | |
| 242.5 → 265 | Gabbro: sections dioritic | | | | |
| 244 → 265 | some granitization as before at 49 → 54. | | | | |

| Samples: | No. | From | To | Gr | Co |
|----------|-----|-------|-------|------|-------|
| | 86 | 169 | 174 | 0.13 | 0.035 |
| | 87 | 204.5 | 207 | 0.04 | 0 |
| | 88 | 207 | 209 | 1.81 | 0.09 |
| | 89 | 209 | 212.5 | 0.13 | 0.02 |

Cora
in
Cora
Rock

DRILLED BY Baderski - Timmins

SIGNED F. L. King

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 15

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 1, 1956
 LOCATION: 150 ft. S 30° E from 11+00/ E on B.L. COMPLETED March 3, 1956
 DATUM _____
 Location: 270 Ft. N; 1025 ft. E. BEARING N30° W(T) Mag. Dev. = 7°W ULTIMATE DEPTH 243 ft.
#3 post Claim S 90707 DIP - 45° N PROPOSED DEPTH Vein Intersectio

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD S | SLUDGE GOLD S |
|---------------|---|-----------|-----------------|--------|---------------|
| 0 - 7 | Casing: drift & small boulders | | | | |
| 7 - 149 | Gabbro: Except as noted a medium fine dark gabbro with a few short dioritic sections. A number of cracks 45° - 50° to core axis. | | | | |
| 94 - 109 | Coarse - dioritic - in part silicified - 1" qtz. vein at 100. | | | | |
| 114.5 - 116.5 | Very coarse - dioritic - good deal of silicification | | | | |
| 116.5 - 132.5 | Heavy fracturing - cracks at all angles to core. | | | | |
| 132.5 - 139.5 | Coarse - light colour - dioritic - some 1/4" quartz stringers at 134.5 | | | | |
| 139.5 - 144.5 | Granitized to light green colour with pink blotches. | | | | |
| 146 | 2" or 3" of cave + much fine cubic py, sand and mud. | | | | |
| 148.5 | " " " " " + " " " " " " " " | | | | |
| 149 - 171 | Schist: Chlorite schist - contact gradational from 146 | | | | |
| 150 - 161.5 | <u>Vein Zone:</u> qtz. filled + chalcopy, pyrhh. & py. | | | | |
| 157.5 - 158 | Massive pyrhh. & chalco. | | | | |
| 166 - 171 | Schisted gabbro, - black. | | | | |
| 171 - 177 | Gabbro: grantized & Silicified as section 139.5 - 144.5 | | | | |
| 177 - 209 | Schist: | | | | |
| 177 - 187 | Chlorite schist - little diss. mineraliz. - Silicified 181 - 183. | | | | |

Drilled by: Badorski, D.D. Co. Ltd. - Timmins, Ont.

Sgd. F. C. Perry

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DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 15

SHEET NUMBER 2 SECTION FROM _____ TO _____

STARTED March 1, 1956

~~XXXXXXXX~~ 150 ft. S. 30° E from 11+00' ^{E, on B.L.} DATUM _____

COMPLETED March 3, 1956

Location: or
~~XXXXXXXX~~ 270 Ft. N; 1025 ft. E. of BEARING N30° W(T) Mag. Dev. = 7°W

ULTIMATE DEPTH 243 ft.

~~XXXXXXXX~~ #3 post Claim S 90707
 DIP - 45°N

PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g |
|-----------------|---|-----------|-----------------|--------|---------------|
| 177 - 209 | Schist: (Cont'd) | | | | |
| | 187 - 209 Schisted gabbro - black - small amount pyrrh. in schistosity planes throughout with some sections stronger than others. | | | | |
| | 205 - 206.5 <u>Vein Zone:</u> silicification + sulphides 0.25% Cu.?? | | | | |
| 209 - 225 | Gabbro: medium grained | | | | |
| 214 | Quartzite: 2" pink - 50° to core axis. | | | | |
| 225 - 231 | Schist: chlorite - | | | | |
| | 229 - 230 Silification - negligible sulphide mineraliz. | | | | |
| 231 - 243 | Gabbro: Fine - dark | | | | |
| | 233 - 4 chlorite schist | | | | |
| | 235 - 40 coarse - some granitization or silification. | | | | |
| <u>Samples:</u> | | | | | |
| | <u>No.</u> <u>From</u> <u>To</u> <u>Cu</u> <u>Co</u> <u>Ni</u> | | | | |
| | 90 150.5 153 1.17 0.07 - | | | | |
| | 91 153 157 0.86 0.10 - | | | | |
| | 92 157 159 2.20 0.19 Ni1 | | | | |
| | 93 159 161.5 0.17 0.02 - | | | | |
| | Core in core rack. | | | | |
| | Baderski - Timmins | | | | |

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 TO FOLLOW

Sgd/ F. C. Perr...

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Baldwin Twp. HOLE NO. 15

(17)

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 1, 1956
 LATITUDE 150 ft. S 30° E from 11400 E on B.L. DATUM COMPLETED March 5, 1956
 DEPARTURE 270 ft. N; 1025 ft. E of BEARING N 30° W (T) Mag. Dev. = 7° W ULTIMATE DEPTH 243 ft.
 ELEVATION *36st Clin S 90707 DIP -45° N PROPOSED DEPTH Vein Intersection



| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SILVER % |
|------------|--|------------|-----------------|--------|----------|
| 0-7 | Casid: drift of small boulders | | | | |
| 7-149 | Gabbro: Except as noted a medium fine dark gabbro with a few sturt dioritic sections. A number of cracks 45° to 50° to core axis. 94-109 Coarse - dioritic - in part silicified - 1 1/2 gtz vein at 100. 114.5-116.5 Very coarse - dioritic - good deal of silicification 116.5-132.5 Heavy fracturing - cracks at all angles to core 132.5-139.5 Coarse - light color - dioritic - some 1/2 gtz stringers at 134.5 139.5-144.5 Granitized to light green colour with pink & lotes. 146 2' or 3" seam of sags + much fine cubic py. sand & mud. 148.5 " " " " " " " " " " " " | | | | |
| 149-171 | Schist: chlorite schist - contact granitoid from 146. 150-161.5 Vein Zone: gtz. Filled + chalcopy, pyrite & py 157.5-159 Massive pyrite & chalc. 166-171 Schistified gabbro - black | | | | |
| 171-177 | Gabbro: granitized ^{silicified} as section 139.5-144.5 | | | | |
| 177-209 | Schist: 177-187 Chlorite schist - little diss. arsenic. - silicified 181-183. | | | | |

B.M.P. TORONTO-STOCK FORM NO. 501 REV. 1951

DRILLED BY Bodorski, P.D. Co. Ltd. - Timmins, SIGNED F. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Baldwin Twp. HOLE NO. 15

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SILVER % |
|-----------------|---|------------|-----------------|--------|----------|
| 177-209 | Schist: (Cont'd) 187-209 Schistified gabbro - black - small amount pyrite & pyrite in schistosity planes throughout with some sections stronger than others. 205-206.5 Vein Zone: silicification + sulphides 0.25% Cu. ?? | | | | |
| 209-225 | Gabbro: medium grained | | | | |
| 214 | Quartzite: 2" pink - 50° to core axis | | | | |
| 225-231 | Schist: chlorite - 229-230 Silicification - negligible sulphide mineraliz. | | | | |
| 231-243 | Gabbro: fine - dark 233-24 chlorite schist 235-240 coarse - some granitization or silicification | | | | |
| Samples: | | | | | |
| | No. | From | To | Gr. % | di |
| | 90 | 150.5 | 153 | 1.17 | 0.07 |
| | 91 | 153 | 157 | 0.86 | 0.10 |
| | 92 | 157 | 159 | 2.20 | 0.19 |
| | 93 | 159 | 161.5 | 0.17 | 0.02 |

Core in Core Rack

B.M.P. TORONTO-STOCK FORM NO. 501 REV. 1951

SIGNED F. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD., - BALDWIN TWP. HOLE NO. 16

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 8, 1956
~~XXXXXXXX~~ 150 ft. S 30° E (T) from DATUM Mag. Dev. = 7° W COMPLETED March 11, 1956
 Location: 12+00 E on Base Line BEARING N 30° W (T) ULTIMATE DEPTH 226 ft.
~~XXXXXXXX~~ ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g |
|-------------|--|-----------|-----------------|--------|---------------|
| 0 - 8 | Casing: Drift small boulders and hardpan. | | | | |
| 8 - 148 | Gabbro: | | | | |
| 8 - 13 | A coarse true gabbro. | | | | |
| 13 - 59 | Coarse dioritic - granitized to a greater or lesser extent for short sections. | | | | |
| 41 - 43 | One quarter inch aplite dike in a fracture // to ddh - heavy chloritization adjacent to it. | | | | |
| 48 - 50 | Some severe granitization adjacent to fractures parallel ddh plus some leaching. | | | | |
| 59 - 148 | Medium fine texture; gabbro and dioritic sections alternating. Numerous cracks from 45° to parallel drill core - some are qtz. - carbonate filled, but most are hairline width. Rock becomes more uniformly gabbroic with depth to 127'. From 127 ft. to 148 dioritic + some hematite stain 142 - 148. | | | | |
| 148 - 169 | Schist: Chlorite - schistosity 75° - 40° to core + a little fine diss. py. | | | | |
| 150 - 160 | <u>Vein Zone:</u> silicification + mineralization | | | | |
| 151.5 - 158 | Heavy chalcopy, pyrite and pyrrhotite. | | | | |
| 169 - 182 | Altered Gabbro: Granitization of gabbro + schisted gabbro + short silicified. | | | | |

Drilled by: Baderski, D. D. Co. - Timmins

F. C. Perry

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 TO FOLLOW

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD., - BALDWIN TWP. HOLE NO. 16

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % |
|---|--|-------------|---------------------|-----------|---------------|
| 169 - 182 | Altered Gabbro: (Cont'd) sections + some pyrite. | | | | |
| 132 - 209 | Schist: Chlorite - 50° - 55° to core axis - narrow qtz. (1") 5' Silicified bands, conformable to schistosity - very little pyrite | | | | |
| 186.5 - 196 | Schistose gabbro | | | | |
| 189 - 198 | Fair amount of pyrite in schist planes. | | | | |
| 207 - 226 | Gabbro: Coarse with dioritic sections | | | | |
| 223.5 | 1" Quartzite 50° to core - red - silicification ?? | | | | |
| Samples: | <u>No.</u> | <u>From</u> | <u>To</u> | <u>Cu</u> | |
| | 94 | 179'10" | 202 | 0.39 | |
| | 95 | 150 | 151.5 | 0.11 | |
| | 96 | 151.5 | 154.5 | 3.93 | 0.095 |
| | 97 | 154.5 | 158 | 3.38 | 0.135 |
| | 98 | 158 | 159.5 | 0.93 | |
| Core in core rack. | | | | | |
| Drilled by: Baderski - Timmins | | | Signed: F. C. Perry | | |
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DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Baldwin Twp. HOLE NO. 16

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 8, 1956
 LATITUDE 45° 30' E (7) from DATUM Mag. Dec = 7° W COMPLETED Mar. 11/56
 DEPARTURE 12200 E on Base line BEARING N 30° W (1) ULTIMATE DEPTH 226 Ft.
 ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection



| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SILICA % |
|-------------|--|------------|-----------------|--------|----------|
| 0 → 8 | Casing: Drift small boulders of hard pan. | | | | |
| 8 → 148 | Gabbro | | | | |
| 8 → 13 | Coarse true gabbro. | | | | |
| 13 → 57 | Coarse dioritic - granitized to greater or lesser extent for short sections. | | | | |
| 41 → 48 | One quarter inch apite size in a fracture 11 to ddh - heavy chloritization adjacent to it. | | | | |
| 48 → 50 | Some severe granitization adjacent to fractures parallel ddh plus some leaching. | | | | |
| 57 → 148 | Medium fine texture gabbro of dioritic sections alternating. Numerous cracks from 45° to parallel drill core - some are gte - carbonate filled, but most are hairline width. Rock becomes more uniformly gabbroic with depth to 127. From 127 ft to 148 dioritic + some hematite stain 142 → 148 | | | | |
| 148 → 169 | Schist: Chlorite - schistosity 35 → 45° to core + a little fine dis. py. | | | | |
| 150 → 160 | Vein Zone: silicification + mineralization | | | | |
| 151.5 → 158 | Heavy chloropy, apite of pyroclastic | | | | |
| 169 → 182 | Altered Gabbro: Granitization of gabbro + schistified gabbro + short silicified | | | | |

DRILLED BY Baderki, D.D.Co. - Timmins.

SIGNED F. L. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Baldwin Twp. HOLE NO. 16

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SILICA % |
|--------------------|---|------------|-----------------|--------|----------|
| 182 → 182 | Altered Gabbro (Cont'd.) sections + some pyrite. | | | | |
| 182 → 209 | Schist: Chlorite - 50 → 55° to core axis - narrow gte (2") of silicified bands, conformable to schistosity - very little pyrite | | | | |
| 186.5 → 196 | Schistose gabbro | | | | |
| 189 → 198 | Fair amount pyrite in schist planes. | | | | |
| 196 → 209 | Chlorite schist | | | | |
| 200 → 207 | Vein Zone: silicification + small amount sulphides | | | | |
| 206.5 → 208 | Fair amount pyrite in schist planes. | | | | |
| 207 → 226 | Gabbro: Coarse with dioritic sections | | | | |
| 223.5 | 1" Quartzite 59° to core - red - silicification?? | | | | |
| Samples: | | | | | |
| | Na | From | To | Cu | |
| | 94 | 197.10" | 202 | 0.39 | |
| | 95 | 158 | 157.5 | 0.11 | |
| | 96 | 156.5 | 154.5 | 3.23 | 0.095 |
| | 97 | 150.5 | 158 | 3.38 | 0.135 |
| | 98 | 158 | 159.5 | 0.93 | |
| Core in core rock. | | | | | |

DRILLED BY Baderki - Timmins.

SIGNED F. L. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 17

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 20, 1956
~~XXXXXXXX~~ (150 ft. S 30° E (T)) DATUM Mag. Dev. = 7° W COMPLETED March 22, 1956
 Location: (from 13 + 00 E on Base) BEARING N 30° W (T) ULTIMATE DEPTH 299 ft.
~~XXXXXXXX~~ (Line) DIP - 45° N PROPOSED DEPTH _____
 ELEVATION _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ |
|------------|--|-----------|-----------------|---------|----------------|
| 0 - 10 | Casing: Drift and small boulders - some hardpan. | | | | |
| 10 - 78 | Gabbro: 10 - 45 Dark, coarse, true gabbro with short dioritic sections. Numerous cracks 20° to core axis. 13.5 - 15 Silicification adjacent to numerous cracks + pyrite and chalcopy. 20 A 2" qtz. - carb. veinlet 45 - 78 Dioxitic + silicification to greater and lesser degrees. 47 - 48 Silicified adjacent to cracks nearly // core axis + some chalcopy. 71 - 72 " " " " + some chalcopyrite. | | | | |
| 78 - 124 | Dioxite: Very coarse + some hematite staining + cracks parallel core with hematite on faces of these. Some carbonization scattered as small crystals throughout. 98 - 124 Medium textured. 110 - 124 White splotches in core due to silicification and/or granitiz. | | | | |
| 124 - 149 | Gabbro: Medium textured. 148 - 149 Some qtz. carb. ?? core | | | | |

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Drilled by: Baderski D. Drill Co. - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 17

SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ |
|----------------|--|-----------|-----------------|---------|----------------|
| 149 - 164 | Schist: Chlorite - Schistosity 45° to core. 151 - 156 <u>Vein Zone</u> : 85% vein qtz. + poor chalco & py. mineraliz. | | | | |
| 164 - 196 | Gabbro: Medium fine - dark - speckled with tiny white carb. crystals. | | | | |
| 196 - 281 | Schist: 196 - 200. Schistose gabbro + py. & pyrrh. on schist planes. 200 - 223 Chlorite schist some scattered sulphide min. throughout. 203.5 - 205 <u>Vein Zone</u> : Silification + some chalco and py. 223 - 240 Schistose gabbro 240 - 281 Chlorite schist not severely schistose becoming less so at depth to become greywacke in sections. Scattered py. min. throughout + some short silicified sections. 248 1" chalcopy & qtz. 267 2" pyrite & qtz. | | | | |
| 231 - 299 | Gabbro: Gradational contact - schistose sections + some carbonate | | | | |
| <u>Samples</u> | <u>No.</u> <u>From</u> <u>To</u> | | | | |
| | 99 151 156 - 0.12 | | | | |
| | 100 13.5 15 - 0.41 | | | | |
| | 101 20.3 204.5 - 0.40 | | | | |
| | Core in core rack. | | | | |
| | Drilled by: Baderski - Timmins | | | | |

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 POOR QUALITY ORIGINAL
 TO FOLLOW

Sgd. R. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Balmwin Typ HOLE NO. 17

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 20, 1956
 LATITUDE (150 ft S 30° E (T)) DATUM Maj Dev = 7° W COMPLETED Mar. 22/56
 DEPARTURE From 13400 E on Base BEARING N 30° W (T) ULTIMATE DEPTH 299 ft.
 ELEVATION Line DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD S | GROSS WEIGHT |
|------------|---|-----------|-----------------|--------|--------------|
| 0 → 10 | Casing: Drift of small boulders + some hard pan | | | | |
| 10 → 78 | Gabbro: 10 → 45 Dark, coarse, true gabbro with short dioritic sections Numerous cracks 20° to core axis. 17.5 → 20 Silicification adjacent to numerous cracks + pyrite schistopy. 20 A 2" yte - carb. veinlet. 45 → 78 Dioritic + silicification to greater & lesser degrees. 47 → 48 Silicified adjacent to cracks nearly core axis + some schistopy. 71 → 72 " " " + some schistopyite. | | | | |
| 78 → 124 | Diorite: Very coarse + some hematite staining + cracks parallel core 1.74 hematite on faces of these Some carbonization scattered as small xstals throughout. 92 → 124 Medium textured. 10 → 124 White splashes in core due to silicification and/or pyritization. | | | | |
| 124 → 149 | Gabbro: Medium textured 148 → 149 Some yte - carb. core | | | | |

DRILLED BY Badoski D. Drill Co. - Timmins SIGNED [Signature]

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Balmwin Typ HOLE NO. 17

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD S | GROSS WEIGHT |
|------------|--|-----------|-----------------|--------|-----------------------|
| 149 → 164 | Schist: Chlorite - schistosity 45° to core 151 → 156 <u>Vein Zone</u> : 25% vein yte + some choko & py. mica schist. | | | | |
| 164 → 196 | Gabbro: Medium fine - dark - speckled with tiny white carb. xstals. | | | | |
| 196 → 281 | Schist: 196 → 200 Schistified gabbro + py. & pyrox. on schist planes. 200 → 223 Chlorite schist some scattered sulphide min. throughout 202.5 → 205 <u>Vein Zone</u> : silicification + some choko & py. 127 → 242 Schistose gabbro. 240 → 281 Chlorite schist not severely schistified becoming less so at depth to become graywacke in sections. Scattered py. min. throughout + some short schistified sections. 248 1" choko py. & yte. 267 2" pyrite & yte. | | | | |
| 291 → 299 | Gabbro: granulation contact - schistose sections + some carbonate | | | | |
| Samples: | No From To | | | | |
| | 99 151 156 - 0.12 | | | | Core in core - 156 |
| | 100 130.5 15 0.41 | | | | |
| | 101 203 204.5 0.40 | | | | |

DRILLED BY Badoski - Timmins SIGNED [Signature]

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 18

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 23, 1956
~~XXXXXX~~ 150 ft. S 30° E from DATUM _____ COMPLETED March 26, 1956
 LOCATION: 14 + 00 E on Base Line BEARING N 30° W (T) Mag. Dev. = 7° W ULTIMATE DEPTH 326 Ft.
~~XXXXXXXX~~ ELEVATION _____ DIP - 45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD † |
|------------|---|-----------|-----------------|--------|---------------|
| 0 - 38 | Casing: Hardpan, boulders & drift. | | | | |
| 38 - 158 | Gabbro: Dark fine, fairly schistose over long sections at 45° - 55° to core axis. Disseminated pyrite over short sections. Texture becomes coarse at 80 ft. 36' 1" silicification | | | | |
| | 114 - 115 Silicified | | | | |
| | 125 - 127 Numerous hairline fractures parallel to core + sulphides Fairly heavy - pyrite & chalco. pyrite. | | | | |
| | 130 - 132 Very coarse - crystals up to 1/2" | | | | |
| | 132 - 154 Granitized to greater & lesser extents. | | | | |
| | 150-151 Entirely replaced by silica + possible acid Feldspars - small amount disseminated pyrite + little chalcopy. | | | | |
| | 146-148 As section 150 - 151. | | | | |
| | 154 - 158 Very coarse & dioritic - 1/2" crystals. | | | | |
| 158 - 168 | Schist: Chlorite - 45° to core axis. | | | | |
| | 162-166 <u>Vein Zone:</u> silicification + sulphides - chalco, py. | | | | |
| 168 - 198 | Gabbro: Dioritic sections + a little hematite staining. | | | | |

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Drilled by: Baderski D. Drill Co. - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Balkwin Twp. HOLE NO. 17

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 20, 1956
 LATITUDE (150 ft S 30° E (T)) DATUM Mag Dec = 7° W COMPLETED Mar. 22/56
 DEPARTURE From 13400 E. on Base BEARING N 30° W (T) ULTIMATE DEPTH 299 ft
 ELEVATION Line DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD G | SILVER |
|------------|--|-----------|-----------------|--------|--------|
| 0 → 10 | Casing: Drift of small boulders - some hardpan | | | | |
| 10 → 78 | Gabbro: 10 → 45 Dark, coarse, true gabbro with short dioritic sections Numerous cracks 20" to core axis. 13.5 → 20 Silicification adjacent to numerous cracks + pyrite of chalcopy. 20 A 2" gte - carb. veinlet. 46 → 78 Dioritic + silicification to greater of lesser degrees. 47 → 78 Silicified adjacent to cracks nearly // core axis + some chalcopy. 71 → 72 " " " " + some chalcopyite. | | | | |
| 78 → 124 | Diorite: Very coarse + some hematite staining + cracks parallel core with hematite on faces of these. Some carbonates scattered as small xstals throughout. 92 → 124 Medium textured. 10 → 124 White splashes in core due to silicification and/or pyrite. | | | | |
| 124 → 143 | Gabbro: Medium textured 143 → 147 Some gte - carb. // core | | | | |

N.M.P. TORONTO - STOCK FORM NO. 501 REV. 1949

DRILLED BY Baderski D. Drill Co. - Timmins SIGNED T. P.

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Balkwin Twp. HOLE NO. 17

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD G | SILVER |
|------------|---|-----------|-----------------|--------|-----------------------|
| 147 → 164 | Schist: Chlorite - schistosity 45° to core 151 → 156 <u>Vein Zone:</u> 25% vein gte + some chalc. of py. or iron. | | | | |
| 164 → 196 | Gabbro: Medium fine - dark - speckled with tiny white carb. xstals. | | | | |
| 196 → 281 | Schist: 196 → 200 Schistified gabbro + py. of pyrrh. on schist planes. 200 → 222 Chlorite schist some scattered sulphide min. throughout 202.5 → 205 <u>Vein Zone:</u> silicification + some chalc. of py. 227 → 234 Schistose gabbro. 240 → 281 Chlorite schist not severely schistified becoming less so at depth to become graywacke in sections. Scattered py. min. throughout + some short schistified sections. 248 1" chalc. of gte. 267 2" pyrite of gte. | | | | |
| 291 → 299 | Gabbro: transitional contact - schistose sections + some carbonate | | | | |
| Samples: | No From To | | | | |
| | 99 15.1 15.6 - 0.12 | | | | Core in 50% - 15.1 |
| | 100 13.5 15 0.41 | | | | |
| | 101 20.3 204.5 0.40 | | | | |

N.M.P. TORONTO - STOCK FORM NO. 501 REV. 1949

DRILLED BY Baderski - Timmins SIGNED T. P.

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 18

SHEET NUMBER 1 SECTION FROM TO STARTED March 23, 1956
~~XXXXXXXX~~ 150 ft. S 30° E from DATUM COMPLETED March 26, 1956
 LOCATION: 14 + 00 E on Base Line
~~XXXXXXXX~~ BEARING N 30° W (T) Mag. Dev. = 7° W ULTIMATE DEPTH 326 Ft.
 ELEVATION DIP - 45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g |
|------------|--|-----------|-----------------|--------|---------------|
| 0 - 38 | Casing: Hardpan, boulders & drift. | | | | |
| 38 - 158 | Gabbro: Dark fine, fairly schistose over long sections at 45° - 55° to core axis. Disseminated pyrite over short sections. Texture becomes coarse at 80 ft. 36' 1" silicification 114 - 115 Silicified 125 - 127 Numerous hairline fractures parallel to core + sulphides Fairly heavy - pyrite & chalco. pyrite. 130 - 132 Very coarse - crystals up to 1/2" 132 - 154 Granitized to greater & lesser extents. 150-151 Entirely replaced by silica + possible acid Feldspars - small amount disseminated pyrite + little chalcopy. 146-148 As section 150 - 151. 154 - 158 Very coarse & dioritic - 1/2" crystals. | | | | |
| 158 - 168 | Schist: Chlorite - 45° to core axis. 162-166 <u>Vein Zone:</u> silicification + sulphides - chalco, py. | | | | |
| 168 - 198 | Gabbro: Dioritic sections + a little hematite staining. | | | | |

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Drilled by: Baderski D. Drill Co. - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 18

SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g | | | | | | | | | | | |
|------------|--|------------|-----------------|-----------|---------------|-----|---------|-----|--------|-----|-----|-------|------|--|--|--|
| 198 - 263 | Schist: Chlorite - 45° - 50° to core axis. 198 - 204 Evidence of crumpling. 204 - 219 Heavily schistose + silification over narrow 2" & 3" sections which have fair chalco & py. minerals. 219 - 230 Less schistose more greywacke like. This section also has a few very short (1") silicif. sections with min. 230 - 256 Less silicification - py. & some chalco & pyrrh. in narrow seams (1/8") 256 - 261 <u>Vein Zone:</u> silific. + poor py. & chalco. 261 - 263 As section 230 - 256. | | | | | | | | | | | | | | | |
| 263 - 326 | Gabbro: Fine, dark, slightly schistose - much fine mica 315' 1" mud. | | | | | | | | | | | | | | | |
| Samples: | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>No.</u></th> <th style="text-align: left;"><u>From</u></th> <th style="text-align: left;"><u>To</u></th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td>102</td> <td>256'10"</td> <td>260</td> <td>- 0.60</td> </tr> <tr> <td>103</td> <td>162</td> <td>164.5</td> <td>0.42</td> </tr> </tbody> </table> | <u>No.</u> | <u>From</u> | <u>To</u> | | 102 | 256'10" | 260 | - 0.60 | 103 | 162 | 164.5 | 0.42 | | | |
| <u>No.</u> | <u>From</u> | <u>To</u> | | | | | | | | | | | | | | |
| 102 | 256'10" | 260 | - 0.60 | | | | | | | | | | | | | |
| 103 | 162 | 164.5 | 0.42 | | | | | | | | | | | | | |
| | Core in core rack. | | | | | | | | | | | | | | | |

DUPLICATE COPY
 POOR QUALITY ORIGINAL
 TO FOLLOW

Drilled by: Baderski - Timmins

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Bobwin Top HOLE NO. 8

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 23, 1956
 LATITUDE 150 ft. S 30° E from DATUM _____ COMPLETED March 26, 1956
 DEPARTURE 1400 L. on Baseline BEARING N 30° W (V. Mag. Dev. = 7° W) ULTIMATE DEPTH 326 ft.
 ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD | SILICA |
|------------|--|------------|-----------------|------|--------|
| 0 → 38 | Casing; Hardpan, boulders & drift. | | | | |
| 38 → 158 | Gabbro: Dark fine, fairly schistose over long sections at 45° to 53° to core axis. Disseminated pyrite over short sections. Texture becomes coarse at 80 ft. 36' 1" silicification | | | | |
| 114 → 115 | Silicified | | | | |
| 125 → 127 | Numerous hairline fractures parallel to core + sulphides. Fairly heavy - pyrite & chalc. pyrite. | | | | |
| 130 → 132 | Very coarse - x'tals up to 1/2" | | | | |
| 132 → 154 | Granitized to greater & lesser extents. Entirely replaced by silica + possible acid sulphates - small amount disseminated pyrite + little chalc. py. | | | | |
| 146 → 148 | As section 150 → 157 | | | | |
| 154 → 158 | Very coarse & dioritic — 1/2" x'tals. | | | | |
| 158 → 168 | Schist: chlorite - 45° to core axis. 112 → 116 Vein Zone: silicification + sulphides - chalc. py. | | | | |
| 168 → 198 | Gabbro: Dioritic section + a little hornblende staining. | | | | |

SM.P. TORONTO-S-1000 FORM NO. 501 REV. 12/51
 DRILLED BY Baderski D. Drill Co. - Timmins SIGNED J. C. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Bobwin Top HOLE NO. 18

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD | SILICA |
|--------------------|---|------------|-----------------|------|--------|
| 198 → 263 | Schist: chlorite - 45° to 50° to core axis. Evidence of crumpling. | | | | |
| 198 → 204 | Evidence of crumpling | | | | |
| 204 → 219 | Heavily schistose + silicification over narrow 2" & 3" sections which have fair chalc. & py. mineraliz. | | | | |
| 219 → 230 | Less schistose more graywacke like. This section also has a few very short (1") silicified sections with min. | | | | |
| 230 → 256 | Less silicification - py. & some chalc. & pyrite in narrow seams (1/2") | | | | |
| 256 → 261 | VEIN ZONE: silicified + poor py. & chalc. | | | | |
| 261 → 263 | As section 230 → 256. | | | | |
| 263 → 326 | Gabbro: Fine, dark, slightly schistose - much fine mica. 70' 1" mud. | | | | |
| Samples: | | | | | |
| | No. | From | To | | |
| | 102 | 256' 10" | 260 | 0.60 | |
| | 103 | 162 | 169.5' | 0.42 | |
| Core in core rock. | | | | | |

SM.P. TORONTO-S-1000 FORM NO. 501 REV. 12/51
 DRILLED BY Baderski - Timmins SIGNED J. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 20

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 25, 1956

~~XXXXXXXXXX~~ DATUM _____ COMPLETED April 6, 1956

LOCATION: ~~XXXXXXXXXX~~ 150 ft. S 30° E (T) BEARING N 30° W (T) Mag. Dev. = 7° W ULTIMATE DEPTH 281 S. - T.

ELEVATION _____ from 16 + 00 E on Base Line DIP - 45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD g | SLUDGE GOLD g |
|------------|--|-----------|-----------------|--------|---------------|
| 0 - 23 | Casing: Hardpan, small boulders & drift | | | | |
| 23 - 184 | Gabbro: (Fine, schistose at 45° to core axis. Very numerous hairline (shear cracks. Some disseminated sulphides. Some short (sections may be old sediments. Fair amount of silicification (throughout. | | | | |
| | 75 - 163 Coarser texture & cracks less numerous - otherwise as above. | | | | |
| | 131-135 Six inch qtz. stringer 45° to core. | | | | |
| | 163 - 184 As 25 - 75 | | | | |
| 184 - 187 | Probably Schist Zone: metamorphosed, chloritic | | | | |
| | 184 - 185.5 <u>Vein Zone</u> : silicification + chalcopyrite | | | | |
| 187 - 223 | Gabbro: (Schistose + a few 1" qtz. stringers 45° to (core. | | | | |
| | 187 - 217 (core. | | | | |
| | 217 - 218 Granitized. | | | | |
| | 218 - 223 As 187 - 217 | | | | |
| 223 - 249 | Schist: Sericitic - probably an altered diabase. Light green in colour. | | | | |

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Drilled by: Baderski D. Drill Co. - Timmins.

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 20

SHEET NUMBER 2 SECTION FROM TO STARTED March 25, 1956
 LATITUDE DATUM COMPLETED April 6, 1956
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % | | | | | | | | | | |
|------------|--|-------------|-------------------|-------------------|--|-------------------|--|-----|-----|-------|------|--|--|--|--|
| 249 - 281 | <p>Schisted Conglomerate: Pebbles in narrow (up to 6") bands. Range in size up to 2" in diameter, & are distorted & elongated due to schisting pressure. Matrix is a sericitic schist - probably originally graywacke material.</p> <p>Core in core rack.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td style="text-align: left;">Samples:</td> <td style="text-align: center;"><u>Sample No.</u></td> <td style="text-align: center;"><u>From</u></td> <td style="text-align: center;"><u>To</u></td> <td style="text-align: center;"><u>Copper (%)</u></td> </tr> <tr> <td></td> <td style="text-align: center;">104</td> <td style="text-align: center;">184</td> <td style="text-align: center;">185.5</td> <td style="text-align: center;">0.77</td> </tr> </table> | Samples: | <u>Sample No.</u> | <u>From</u> | <u>To</u> | <u>Copper (%)</u> | | 104 | 184 | 185.5 | 0.77 | | | | |
| Samples: | <u>Sample No.</u> | <u>From</u> | <u>To</u> | <u>Copper (%)</u> | | | | | | | | | | | |
| | 104 | 184 | 185.5 | 0.77 | | | | | | | | | | | |
| | <p>Drilled by: Baderski - Timmins</p> | | | | <p>DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW</p> <p>Sgd. F. C. Perry</p> | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Bellin ^{Top} HOLE NO. 20 (21)

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED March 25, 1956
 LOCATION: 150 ft. S 30° E (V) DATUM _____ COMPLETED April 6, 1956
 BEARING N 50° W (V) Mag. Dev. = 7° W ULTIMATE DEPTH 281 ft.
 ELEVATION From 16,000 E. on Base line DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD | SULPHUR |
|------------|---|------------|-----------------|------|---------|
| 0 → 23 | Coarse: hardpan, small boulders of drift | | | | |
| 23 → 184 | Gabbro: (fine, schistose at 45° to core axis. Very numerous hairline shear cracks. Some disseminated sulphides. Some schist textures may be all sediments. Fair amount of schistification throughout.) | | | | |
| 75 → 162 | Coarser texture of cracks less numerous - otherwise as above | | | | |
| 120 | Six inch gtz stringer 45° to core. | | | | |
| 113 → 184 | As at 75" | | | | |
| 184 → 187 | Probably Schist Zone: metamorphosed, chloritic | | | | |
| 184 → 185 | Vein Zone: silicification + chalcopyrite | | | | |
| 187 → 223 | Gabbro: (Schistose + a few 1" gtz stringers 90° to core.) | | | | |
| 217 → 218 | Granitoid. | | | | |
| 218 → 223 | As 187 → 217 | | | | |
| 223 → 249 | Schist: sericitic - probably an altered diabase. Light green in colour. | | | | |

O.S.P. TORONTO - 51 DEC 1944 NO 501 REV 1951

DRILLED BY Budinski D. Drill Co. - Timmins SIGNED M. J. Perry

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Bellin ^{Top} HOLE NO. 20 22

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD | SULPHUR |
|------------|---|------------|-----------------|-------|-----------|
| 249 → 281 | Schistal Conglomerata: Pebbles in narrow (up to 6") bands Range in size up to 2" in diameter & are distorted & elongated due to schistifying pressure. Matrix is a sericitic schist - probably originally gabbroic material. | | | | |
| | Core in core rock. | | | | |
| | Samples: | Sample No | From | To | Carry (%) |
| | | 104 | 184 | 185.5 | 0.77 |

O.S.P. TORONTO - 51 DEC 1944 NO 501 REV 1951

DRILLED BY Budinski - Timmins SIGNED M. J. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP.

HOLE NO. 21

SHEET NUMBER 1

SECTION FROM _____ TO _____

STARTED April 8, 1956

~~XXXXXXXX~~ 400 Ft. S. 30° E (T) from

DATUM Mag. Dev. = 7° W

COMPLETED April 22, 1956

LOCATION:

~~XXXXXXXX~~ 12 + 00 7 on Base Line

BEARING N 30° W (T)

ULTIMATE DEPTH 598 Ft.

ELEVATION _____

DIP - 45° N

PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SLUDGE GOLD % |
|------------|--|-----------|-----------------|--------|---------------|
| 0 - 11 | Casing: Drift, boulders & hardpan. | | | | |
| 11 - 28 | Gabbro: Fine textured, dark black-green. | | | | |
| 28 - 51 | Schist: Chlorite - 60° to core axis. Little pyrite & pyrrhotite on schist planes. 32.5 - 34 Qtz. vein - barren. | | | | |
| 51 - 86 | Gabbro: Coarse texture - dioritic - some hematite staining of Feldspars. | | | | |
| 86 - 127 | Diabase: Fine. Upper contact 30° to core axis. Many hairline fractures at all angles to core, largely faced with qtz. & carb. Some fine disseminated pyrite. | | | | |
| 127 - 133 | Gabbro: Medium coarse & dark. | | | | |
| | 133 6" qtz. - carbonate vein - barren. | | | | |
| 133 - 139 | Diabase: Very fine texture. | | | | |
| 139 - 371 | Gabbro: Medium textured - dioritic over long sections. 161 6" pink silica - appears to be qtzite. but possibly schisification of gabbro. | | | | |

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Drilled by: Baderski D. Drilling - Timmins, Ont.

Sgd. F. C. Perry

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 21

SHEET NUMBER 2 SECTION FROM _____ TO _____
 LATITUDE _____ DATUM _____
 DEPARTURE _____ BEARING _____
 ELEVATION _____ DIP _____

STARTED _____

DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ |
|--------------------------------|--|-----------|-----------------|------------------|----------------|
| 169 - 170 | One ft. of silica as at 161. | | | | |
| 232 - 238 | Granitized - blotches of whitish silica & feldspar. | | | | |
| 254 - 266 | " " " " & " | | | | |
| 291 - 307 | " & silicification - up to 1 ft. widths adjacent to cracks. | | | | |
| 309.5-307 | Schistose gabbro. | | | | |
| 311-313 | Qtz. vein - barren. | | | | |
| 345 - 358 | Silicified to creamy colour. Few specks of chalcopyrite. | | | | |
| 358 - 371 | Dioritic gabbro. | | | | |
| 371 - 386 | Diabase: Upper contact 30° to core - fine textured. | | | | |
| 375 - 376 | Qtz. vein - barren | | | | |
| 386 - 409 | Gabbro: Medium textured - dioritic over long sections. | | | | |
| 409 - 433 | Schist: Chlorite - schist not too well developed - Few narrow bands of silicification - Few specks of chalcopyrite. This is the South <u>Vein Zone</u> . | | | | |
| 433 - 452 | Gabbro: Medium textured - dioritic sections. | | | | |
| 452 - 492 | Schist: Chlorite - green - schistosity 45° to core axis. | | | | |
| Drilled by: Baderski - Timmins | | | | Sgd. F. C. Perry | |

DIAMOND DRILL RECORD

PROPERTY UNITED COBALT MINES LTD. - BALDWIN TWP. HOLE NO. 21

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD \$ | SLUDGE GOLD \$ |
|-------------|--|-----------|-----------------|---------|------------------|
| 454.5 - 466 | <u>Vein Zone</u> - silicification of schist + little disseminated sulphides - poor. | | | | |
| 470 - 492 | Few short sections of schistose gabbro included - some pyrite on schist planes. | | | | |
| 492 - 598 | Gabbro: Medium textured - dioritic sections - short sections granitized, increasing in intensity to 524 - from here cracks in core parallel to core - qtz. carb. filled up to 1" wide - few specks of sulphides of some schisting adjacent to cracks - because these cracks are parallel to core have up to 3 ft. core lengths of qtz. carb. | | | | |
| 558 - 575 | Heavy silicification & grantitization | | | | |
| 565 - 568 | Qtz. vein. | | | | |
| 575 - 598 | Dark medium textured gabbro | | | | |
| | No samples taken: | | | | |
| | Core in core rack. | | | | |
| | <u>Estimates:</u> 455 - 458 0.1% Copper | | | | |
| | 458 - 459 0.4% " | | | | |
| | 463 - 465 0.1% " | | | | |
| | Drilled by: Baderski - Timmins | | | | |
| | | | | | Sgd. F. C. Perry |

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 TO FOLLOW

Q54

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Ballwin Twp HOLE NO. 21

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED April 8, 1956
 LATITUDE 40° 05' S 30° E (T) from DATUM Mag. Dev. = 7° W COMPLETED April 22, 1956
 DEPARTURE 12+00 E on Base line BEARING N 30° W (T) ULTIMATE DEPTH 598 Ft.
 ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD | BLUES |
|------------|---|-----------|-----------------|------|-------|
| 0 → 11 | Casing & Drift, boulders & hardpan. | | | | |
| 11 → 28 | Gabbro: Fine textured, - dark black-green. | | | | |
| 28 → 57 | Schist: Chlorite - 10' to core axis. little pyrite & pyrochlore on schist planes. | | | | |
| 57.5 → 74 | Qtz. vein - barren. | | | | |
| 57 → 86 | Gabbro: Coarse texture - dioritic - some hematite staining of foliation | | | | |
| 86 → 127 | Diabase: Fine upper contact 30° to core axis. Many vertical fractures at all angles to core, mostly faced with Qtz. & carb. Some fine disseminated pyrite | | | | |
| 127 → 133 | Gabbro: Medium coarse of dark. | | | | |
| 133 | 6" Qtz. - carbonate vein - barren. | | | | |
| 133 → 139 | Diabase: Very fine texture | | | | |
| 139 → 371 | Gabbro: Medium textured - dioritic over long sections. | | | | |
| 161 | 6" pink silica - apparently a quartz but possibly silicification of gabbro | | | | |

M.P. TORONTO-STOCK FORM NO. 501 REV. 1951

DRILLED BY Budorski, D. Drilling - Timmins, ONT SIGNED [Signature]

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Ballwin Twp HOLE NO. 21

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD | BLUES |
|-------------|--|-----------|-----------------|------|-------|
| 162 → 170 | One ft. of silica ss at 161. | | | | |
| 232 → 238 | Granitized - blotches of whitish silica of foliation. | | | | |
| 254 → 266 | " " " " " " | | | | |
| 281 → 307 | " & silicification - up to 1 ft. widths adjacent to cracks. | | | | |
| 309.5 → 327 | Schistose gabbro. | | | | |
| 311 → 313 | Qtz. vein - barren. | | | | |
| 346 → 358 | Silicified to creamy colour. Few specks of chloropyrite | | | | |
| 368 → 371 | Dioritic gabbro. | | | | |
| 371 → 386 | Diabase: Upper contact 30° to core - Fine textured. | | | | |
| 371 → 376 | Qtz. vein - barren | | | | |
| 386 → 402 | Gabbro: Medium textured - dioritic over long sections. | | | | |
| 402 → 453 | Schist: Chlorite - schist not so well developed - Few narrow bands of silicification - few specks of chloropyrite. This is the South Vein Zone | | | | |
| 453 → 452 | Gabbro: Medium textured - dioritic sections. | | | | |
| 452 → 492 | Schist: Chlorite - green - schistosity 45° to core axis. | | | | |

M.P. TORONTO-STOCK FORM NO. 501 REV. 1951

DRILLED BY Budorski - Timmins SIGNED [Signature]

054

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Ballwin T-P HOLE NO. 21

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED April 8, 1956
 LATITUDE 40° 0' S 70° E (U) from DATUM Mag. Dev. = 7' W COMPLETED April 22, 1956
 DEPARTURE 12+00 E on Base line BEARING N 30° W (U) ULTIMATE DEPTH 598 Ft.
 ELEVATION _____ DIP -45° N PROPOSED DEPTH Vein Intersection

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SHARE |
|------------|---|-----------|-----------------|--------|-------|
| 0 → 11 | Casing & Drift, boulders & hardpan. | | | | |
| 11 → 28 | Gabbro: Fine textured, - dark black-green. | | | | |
| 28 → 51 | Schist: Chlorite - 10' to core axis. little pyrite & pyrochlore on schist planes. | | | | |
| 51 → 86 | Gabbro: Coarse texture - dioritic - some hematite staining of foliation. | | | | |
| 86 → 127 | Diabase: Fine, upper contact 30° to core axis. Many vertical fractures at all angles to core, mostly faced with qtz. & carb. Some fine disseminated pyrite. | | | | |
| 127 → 133 | Gabbro: Medium coarse & dark. | | | | |
| 133 → 139 | Diabase: Very fine texture | | | | |
| 139 → 371 | Gabbro: Medium textured - dioritic over long sections. | | | | |

D.R.P. TORONTO - STOCK FORM NO. 501 REV. 12/51
 DRILLED BY Budorski D. Drilling - Timmins, Ont. SIGNED H. R. King

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd - Ballwin T-P HOLE NO. 21

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO | WIDTH OF SAMPLE | GOLD % | SHARE |
|-------------|--|-----------|-----------------|--------|-------|
| 162 → 170 | One ft. of silica ss at 161. | | | | |
| 232 → 238 | Granitized - blotches of whitish silica & feldspar. | | | | |
| 254 → 266 | " " " " " " | | | | |
| 291 → 307 | " & silicification - up to 1 ft. width adjacent to cracks. | | | | |
| 309.5 → 317 | schistose gabbro. | | | | |
| 311 → 313 | Qtz. vein - barren. | | | | |
| 346 → 358 | Silicified to creamy colour. Few specks of chalcopyrite. | | | | |
| 364 → 371 | Dioritic gabbro. | | | | |
| 371 → 386 | Diabase: Upper contact 30° to core - Fine textured. | | | | |
| 371 → 376 | Qtz. vein - barren | | | | |
| 386 → 402 | Gabbro: Medium textured - dioritic over long sections. | | | | |
| 402 → 433 | Schist: Chlorite - schist not too well developed - Few narrow bands of silicification - Few specks of chalcopyrite. This is the South Vein Zone. | | | | |
| 433 → 452 | Gabbro: Medium textured - dioritic sections. | | | | |
| 452 → 492 | Schist: Chlorite - green - schistosity 45° to core. D.R.P. | | | | |

D.R.P. TORONTO - STOCK FORM NO. 501 REV. 12/51
 DRILLED BY Budorski - Timmins SIGNED H. R. King

DIAMOND DRILL RECORD

PROPERTY United Cobalt Mines Ltd. - Kibbik Top HOLE NO. 21

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

| DEPTH FEET | FORMATION | SAMPLE NO. | WIDTH OF SAMPLE | GOLD | SILVER |
|--|--|------------|-----------------|--------|--------|
| 454.5 → 466 | Vein Zone - silicification of schist + little disseminated sulphides - poor. | | | | |
| 470 → 492 | Few sheet sections of schistose gabbro included - some pyrite on schist planes. | | | | |
| 492 → 598 | Gabbro: { Medium textured - dioritic sections - sheet sections granitized, increasing in intensity to 522 - fine lens cracks in core parallel to core - qtz - carb. filled up to 1" wide - few specks of sulphides of some schistoid adjacent to cracks - because these cracks are parallel to core have up to 3 ft. core lengths of qtz - carb. | | | | |
| 550 → 575 | Heavy silicification of granitization | | | | |
| | course Qtz. vein. | | | | |
| 575 → 598 | Dark medium textured gabbro | | | | |
| No samples taken: Core in core rack | | | | | |
| Estimates: | | 453 → 458 | 0.1% | Copper | |
| | | 458 → 459 | 0.4% | " | |
| | | 463 → 465 | 0.1% | " | |

U.S.P. PATENT OFFICE FORM NO. 201 NOV. 1951

DRILLED BY Badarshi - Timmins SIGNED J.H. Perry



THE MINING ACT



REPORT OF WORK

To the Recorder of S U D B U R Y Mining Division:

M. No. Mid-North Engineering Services Limited

(Name of Applicant)

145 Yonge Street, Toronto, Ont.

(Post Office Address)

the recorded holder of mining claim No. S-90707 hereby report the performance of 1296 days' work not before reported.

* This mining claim is one of a group of contiguous claims numbered S-90705-06-07 & S-56123

of which ~~is~~ the recorded holder under Mining Licence No. A 22041, and the work was performed on mining claim(s) S-90707 and is to be applied in respect of mining claim(s) S-90705-06-07

(*Complete above section only if applicable)

The work is as follows:

Stripping or opening up mines, sinking shafts or other actual mining operations

The names and addresses of the men who performed the work and the dates upon which each man worked in its performance are: (If more space is required, attach list).

Total No. of days.....

Diamond or other Core Drilling

Footage drilled 3892 No. of holes drilled 14 Angle -45°

Diameter of core 7/8" (E.X.T.) Names and address of owner and operator of drill P. Radarski, Timmins Ont.

Dates upon which drilling was done Feb 3rd to 22nd 1956.

(Core log accompanies this report).

Total No. of days..... 3892

Work by Compressed Air or other Power Driven Rock Drill

Type of drill.....

Names and addresses of men engaged in operating drill.

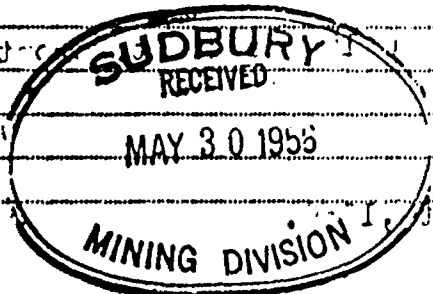
Dates upon which each man worked.....

Total No. of days.....

Geophysical Survey

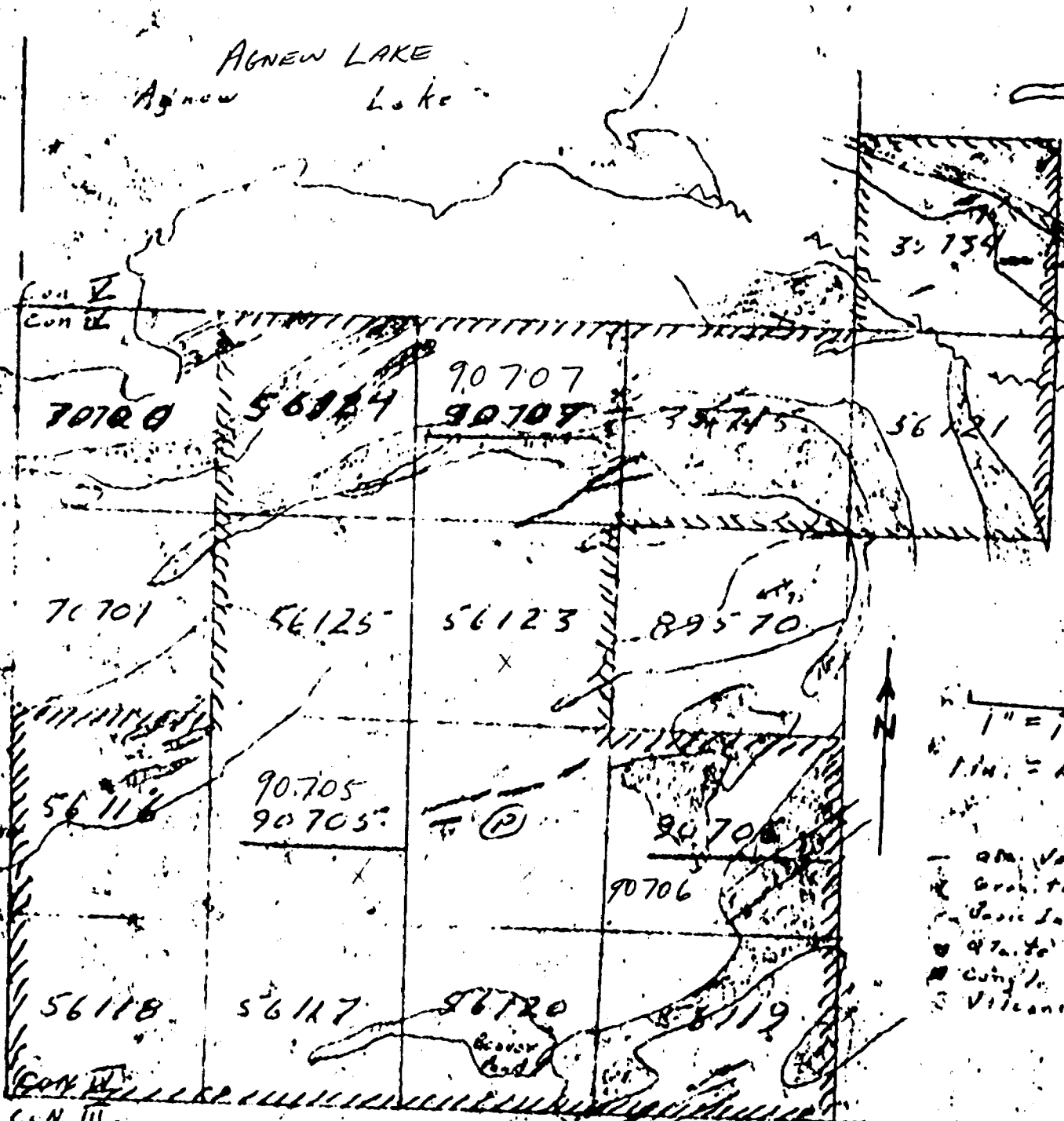
Type of instrument used.....

Names and addresses of men employed and the dates on which each worked are:



Total No. of days.....

AGNEW LAKE
Agnew Lake



1" = 1000'
1/4" = 1000'

— am. Vol.
• Granite
• Basaltic Andesite
• Basalt
• Volcanics

CON II
CON III

Lot 12
LOT 12

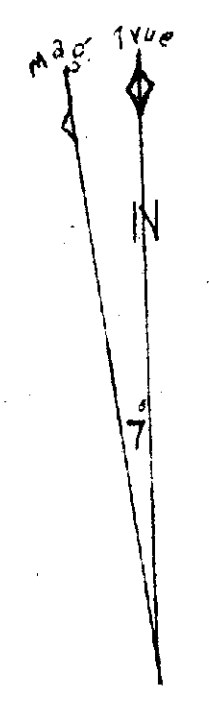
Lot 11
LOT 11

Road 10

Twp of Baldwin

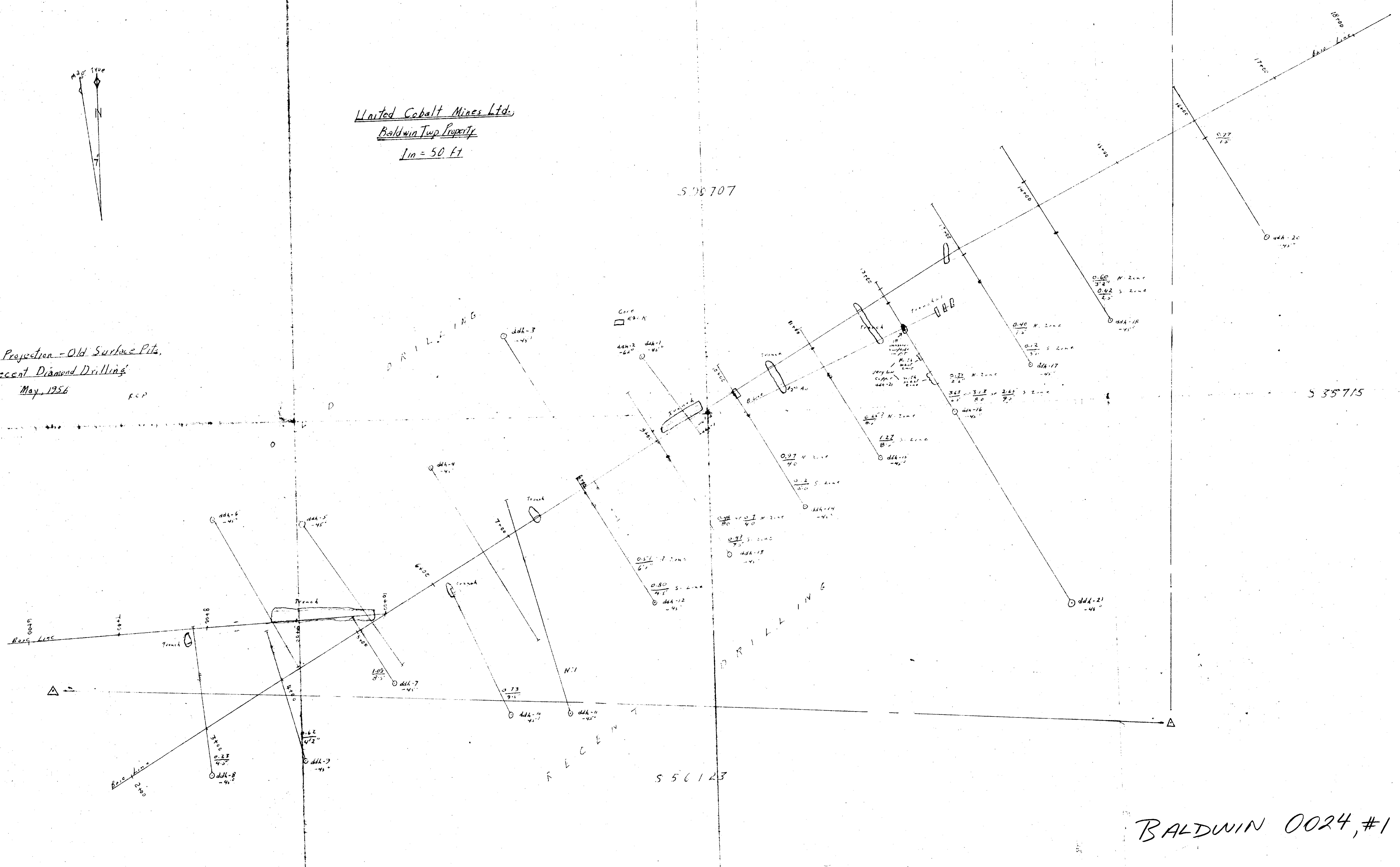
TWP OF

FROM THOMSON 1953



United Cobalt Mines Ltd.
 Baldwin Twp Property
 1 in = 50 Ft.

Horizontal Projection - Old Surface Pits,
 Old & Recent Diamond Drilling
 May, 1956



BALDWIN 0024, #1

