FORM Nº 630

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB 27

Location: Dolly Creek (Fox Creek) Y. T.
61° 52' 133° 22' NTS 105F-14

Mining Division Whitehorse

Hole Nº 41 Angle: -70° Direction: 225°

Depth: 292.6 m Grid Nº.

Co-Ordinates: 7 + 44N
13 + 50W

Date Started: July 6, 1981 Finished: July 15, 1981 Logged By: D. Lincoln
M. Nicol

Drilled By: Caron Diamond Drilling

DEPTH From	DEPTH To	DESCRIPTION OF CORE PAGE 1 of 5
0.0	15.9	Casing
15.9	38.3	Quartz feldspar porphyry - dark matrix Described in maps as diorite dike Comp pheno's feldspar quartz Size of phenos - 2.3 mm matrix - mafics Colour - purple Dike is fractured with gossan staining There are some quartz strings 27.6 - 29.3 - breccia zone, semi consolidated
38.3	39.5	Breccia zone - calcite infilling - black semi consolidated mud
39.5	125.7	Biotite Schist - some very minor skarn at random intervals - conformable quartz stringers ranging size from 1 cm to 20 cm (chlorite with pyrite and pyrrhotite along margins) - minor vertical fracturing 50.1 - 61.2 - broken gossan staining - some rotted rock, poor recovery 66.3 - 86.9 - Broken gossan staining - some rotted rock, poor recovery 91.9 - 106.2- Quartz stringer rich zone, skarn found within the quartz; trace pyrrhotite and pyrite are found associated with the quartz chlorite 97.8 - 98.8 - Diopside skarn with pyrite and calcite 102.8 -103.2- Rotted zone 104.9 -105.7 - Diopside skarn with pyrite and calcite Core Angles: @ 40.0 - 21° @ 67.8 - 23° @ 89.0 - 30° @ 116.0 - 24° @ 42.7 - 26° @ 70.7 - 21° @ 92.2 - 36° @ 120.1 - 22° @ 46.6 - 28° @ 76.6 - 37° @ 96.8 - 30° @ 123.2 - 23° @ 49.4 - 31° @ 77.7 - 36° @ 99.0 - 27° @ 124.8 - 26° @ 54.0 - 37° @ 80.1 - 28° @103.6 - 32° @ 125.7 - 23° @ 59.1 - 36° @ 82.4 - 37° @106.7 - 27° @ 61.1 - 23° @ 84.8 - 38° @110.6 - 23° @ 64.8 - 24° @ 86.6 - 28° @113.1 - 18°

DEPTH		DESCRIPTION OF CORE
From	To	
125.7	142.6	Schist and skarn - various quartz stringers - small vertical fracturing with calcite in filling - trace scheelite & pyrrhotite are found associated with both quartz and calcite fractures throughout run 128.2 - 128.3 - Minor rotting zones, gossan staining 133.4 - 133.7 - no major calcite 136.6 - 136.75- rotted zone, broken mud, minor calcite 139.9 - 141.0 - diopside skarn rich zone. Trace pyrrhotite and scheelite associated with vertical fracturing Core Angles: @ 129.0 - 33° @ 136.1 - 37° @ 132.0 - 34° @ 139.1 - 24° @ 134.2 - 32° @ 142.0 - 26°
142.6	148.8	Diopside skarn - minor biotite schist - conformable quartz strings with associated pyrrhotite and scheelite 145.2 - 146.2 - vertical fracturing and broken zone with associated calcite Core Angles: 144.1 - 22° @ 147.8 - 19°
148.8	170.6	Schist and skarn - conformable quartz stringers some have minor trace pyrrhotite & scheelite - vertical fracturing with some associated trace scheelite and calcite infilling, also trace pyrrhotite 151.1 - 151.2 - high grade scheelite approx. .4% large crystals - some vertical fracturing shows displacement; there is chlorite actinolite infilling and there is a leached margin around the fracture - small distorted areas throughout sequence with associated chlorite 158.5 - 162.7 - skarn rich, trace scheelite 161.5 - 162.27- scheelite est. .1% 163.3 - 166.4 - diopside skarn rich - increase in scheelite % 169.1 - 169.5 - rotten core (?) skarn rich high calcite content Core Angles: @ 149.6 - 28° @ 163.1 - 27° @ 152.4 - 26° @ 165.7 - 29° @ 156.3 - 26° @ 168.3 - 26° @ 160.2 - 28°
170.6	181.5	Biotite Schist - minor amounts of skarn - conformable quartz stringers - vertical fractures with calcite infilling, there is a marked increase in calcite in this area 174.8 - 175.3 - rotted zone 177.8 - 178.4 - Diopside skarn rich (garnet) - trace pyrrhotite and scheelite (.05%) Core Angles: @ 171.3 - 27° @ 176.9 - 30° @ 174.3 - 28° @ 179.3 - 26°
181.5	230.6	Schist and skarn - conformable quartz strings - vertical fractures with calcite - trace scheelite and pyrrhotite

DEPTH		DESCRIPTION OF CORE	
From	To		
		182.6 - 184.0 - .05% WO_3 - skarn rich-chlorite, pyrrhotite 188.3 - 191.1 - rotting zone with some breccia - large proportion of calcite especially in semi-consolidated mud zones - trace scheelite - chlorite 191.1 - 192.1 - distorted fractures some with calcite - trace scheelite and pyrrhotite - chlorite 205.0 - 205.9 - .05% WO_3 208.65- 209.55- .05% WO_3 209.8 - 209.9 - rotting core, trace pyrite 210.8 - 210.75- rotting core, trace pyrite 211.1 - 215.3 - rotting core, fracturing, calcite infilling - chlorite, pyrite, trace scheelite 226.95- 227.53- 1.5% WO_3) 227.53- 228.43- 0.2% WO_3) 228.43- 229.93- 0.6% WO_3) 229.93- 231.2 - 0.4% WO_3) 231.2 - 232.65- 0.4% WO_3) 232.65-234.1 - 0.4% WO_3) 234.1 - 235.65- 0.6% WO_3) 235.65- 237.1 - 0.6% WO_3) Diopside skarn rich pyrrhotite disseminated chlorite and pyrite along fractures Trace chalcopyrite Core Angles: @ 182.7 - 21° @ 197.1 - 29° @ 210.6 - 06° @ 224.6 - 23° @ 184.7 - 23° @ 200.1 - 21° @ 215.5 - 23° @ 227.9 - 22° @ 187.4 - 26° @ 203.5 - 23° @ 217.2 - 12° @ 229.1 - 12° @ 192.2 - 22° @ 206.2 - 08° @ 219.7 - 26° @ 232.4 - 25° @ 193.9 - 23° @ 209.2 - 12° @ 221.6 - 17° @ 233.6 - 27°
230.6	237.1	Diopside skarn - conformable quartz stringers - vertical quartz and calcite fractures - minor biotite (?) - ore grade - scheelite (refer above) - disseminated pyrrhotite - trace chalcopyrite - fracture zones contain chlorite and pyrite	
237.1	245.3	Schist and skarn - conformable quartz stringers - vertical fractures - calcite - some massive pyrrhotite - trace scheelite in skarn rich beds Core Angles: @ 237.1 - 25° @ 241.7 - 16° @ 244.1 - 12°	
245.3	246.2	Biotite schist 245.9 - 246.2 - rotted zone with calcite Core Angle: @ 245.5 - 14°	
246.2	256.9	Intercalated skarn and grey beds - garnet present - conformable quartz stringers with chlorite & pyrite - vertical calcite fractures - scheelite 247.5 - 248.0 - fragmented, distorted bedding - minor graphite - minor pyrite	

DEPTH From	DEPTH To	DESCRIPTION OF CORE
		226.95 - 227.53 - 1.5% WO_3) 227.53 - 228.53 - 0.2%) 228.43 - 229.93 - 0.6%) 229.93 - 231.2 - 0.4%) 231.2 - 232.65 - 0.4%) 232.65 - 234.1 - 0.4%) 234.1 - 235.65 - 0.6%) 235.65 - 237.1 - 0.6%) Diopside skarn rich pyrrhotite disseminated chlorite and pyrite along fractures trace chalcopyrite Core Angles: @ 248.2 - 16° @ 253.2 - 22° @ 249.0 - 08° @ 256.0 - 19°
256.9	264.3	Diopside garnet skarn - quartz stringers with pyrrhotite (trace chalcopyrite) - vertical calcite fractures - massive pyrrhotite - minor pyrite, chlorite - trace chacopyrite Ore grade scheelite 256.97 - 257.50 - 0.05% WO_3 257.5 - 258.22 - 1.0 % 258.22 - 259.30 - 0.6 % 259.30 - 259.88 - 0.6 % 259.88 - 260.78 - 3.0 %* 260.78 - 261.23 - 2.0 %* 261.23 - 261.92 - 1.5 %* 261.92 - 263.41 - 0.8 % 263.41 - 264.41 - 0.6 % 264.41 - 265.21 - 0.2 % Core Angles: @ 259.3 - 24° @ 263.3 - 26°
264.3	282.44	Biotite schist and diopside garnet skarn - quartz stringers, vertical calcite fracture - massive pyrrhotite - scheelite - chlorite, pyrite along fractures 264.41 - 265.21 - 0.2% WO_3 265.21 - 266.31 - 0.05% 266.31 - 267.81 - 0.05% 267.81 - 269.21 - 0.05% 269.21 - 270.70 - 0.05% 270.70 - 272.20 - 0.05% 272.20 - 272.38 - 0.5% 272.38 - 273.85 - 2.0%* 273.85 - 275.07 - 0.05% 275.07 - 276.50 - 0.05% 276.50 - 277.93 - 0.1 % 277.93 - 279.38 - 0.1 % 279.38 - 280.68 - 0.2 % 280.68 - 280.95 - 0.0 % 280.95 - 281.84 - 0.05% 281.84 - 282.44 - 0.4% 273.9 - 274.0 - Massive pyrrhotite - trace chalcopyrite, boronite - chlorite

DEPTH		DESCRIPTION OF CORE	
From	To		
		Core Angles: @ 265.3 - 28° @ 270.2 - 23° @ 271.5 - 20° @ 274.8 - 16° @ 277.4 - 12° @ 281.0 - 12° @ 282.4 - 32°	
282.44	292.60	Quartz Monzonite Intrusive - quartz stringers - calcite Fractures - zenoliths - evidence of assimilation - massive pyrrhotite in fractures	