Diamond Drill Record

LOCATION: French Gulch	DIPS - collar 45 °	CONTRACTOR: ARCTIC DIAMOND DRILL	HOLE NO 86-AOR-FG1 Page 1 of 4
AZIMUTH: 060°	- 200 m ft 54 °	LOGGED BY: P. GRUNEBERG/S. TOMLINSON	PROPERTY: ARBOR - DAWSON ELDO
ELEVATION:	- m °	DATE: AUGUST 21, 1986	CLAIM NO.
LENGTH: 334 FEET	- m °		SECTION NO.
CORE SIZE: NQ			STARTED: AUGUST 19, 1986 10:00am
PURPOSE: TEST QUARTZ VEINS AND SHEAR ZONES			COMPLETED: AUGUST 21, 1986 7:00am

Section from ft	Section to ft	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.	VEINLETS Thickness mm	VEINLETS Angle to core	VEINLETS minerals in decreasing abundance
0	3	Casing - no core						
3	16	100% Recovery Muscovite quartzite with less than 1% quartz eyes (to 3 mm diameter).	3	16	less than 1% crosscutting quartz stringers (1 mm thick). Pyrite boxworks to 1% (1 mm diameter) Somewhat aligned along contacts of quartz stringers.			
16	162	light grey-green mildly banded quartz muscovite schist. Schistosity to C.A. = 60° to 70° Crenulations common but not throughout.	41.5	49.5	less than 1% pyrite blebs, disseminated, euhedral cubes. milky to translucent quartz vein. Vuggy with 3 mm quartz crystal infills. Approximately 2-1/2 inches wide paralleling core axis. Pyrite blebs to 1 cm diameter, mostly along bedrocks contacts.			
		Quartz augens (folia form) to 8 cm width, few.	83	89.5	milky to translucent quartz vein. Somewhat brecciated looking in places. Angle of contact to C.A. = 10° Few vugs with euhedral quartz in growths. Minor amount of calcite in quartz forms euhedral blades to 5 mm width in vugs. Pink (potassic) color at lower contact. Less than 1% pyrite, few disseminated crystals.			
		Recovery 134 feet/146 feet						

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Section from ~~ft~~	Section to ~~ft~~	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.	VEINLETS Thickness mm	VEINLETS Angle to core	VEINLETS minerals in decreasing abundance
			113	114.5	quartz vein, sub parallels core for most of length, then crosses core at lower contact (warped). Milky white to translucent. Mineralization: Galena, sphalerite and pyrite to roughly 5% of vein. Sulfides present as coarsely crystalline pockets up to 1.5 cm diameter. Pyrite enclosed in galena, both within sphalerite.			
162	186.5	Recovery 22'8"/26'6" Dark grey to black, midly magnetic diabase dyke, fine to medium grained.	c162	186	Serpentine along midly slickened fractures. Carbonate coating on some fracture surfaces.			
186.5	194.5	100% Recovery. Quartz muscovite schist. Few quartz eyes 5% foliaform quartz bands to 5 cm width. Angle schistosity to core axis = 72°.	186.5	194	Several thin shears rich in muscovite through core section.			
194.5	206.5	9.5'/12' Recovery. Dark grey to black diabase dyke, similar to 162' dyke.	194	206	Low grade pervasive serpentinization, and along fractures.			
206.5	212.5	Recovery 2'/6'. Quartz muscovite schist with few quartz augens to 1 cm width. 3% foliaform quartz bands to 3 mm width. Schistosity angle to C.A= 68°.	206	212	Very highly fractured. Few muscovite rich shears. Minor potassic (purple colored) rich alteration less than 1% euhedora disseminated pyrite.			

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Section from ft	Section to ft	ROCK DESCRIPTION	Interval from ft	Interval to ft	ALTERATION, MINERALIZATION etc.	VEINLETS Thickness mm	VEINLETS Angle to core	VEINLETS minerals in decreasing abundance
212.5	237.4	10'/24'10" Recovery. Shear zone.	212.5	213	Sheared, clayey in texture. Pyrite to less than 1%, fine disseminate. Clay matrix with quartz clasts in more highly sheared areas, clasts to 2 cm diameter.			
212.5	213	Carbonaceous schist, black, graphitic.						
213	222.5	Quartz muscovite schist, very micaceous. Foliaform quartz to 5 mm width. Schistosity angle to C.A. = 64°.						
222.5	223.5	Carbonaceous schist, black, graphitic, 5% quartz stringers and blebs.						
223.5	237.5	Quartz muscovite schist, very micaceous, foliaform quartz, augens to 2 cm. Schistosity to C.A. = 63°.						
237.4	305	64.5'/67'8" Recovery. Quartz muscovite schist, folio-form quartz to 2 cm wide, micaceous bands. Schistosity to C.A. 075-085, may be very crenulated. Thin graphitic lamellae (to 1 cm wide) in sworms between: 270.5 to 271.5; at 281.5 and 294'.	276.5	278.0	Sub parallel to C.A. calcite vein, medium grained, minor pyrite. In country rock, small pyrite cubes, disseminated, average less than 1%. Near and within graphite, pyrite to 4%, globules to 5 mm.			
			300	305	Quartz vein, milky, with pyrite globules to 3 mm. Graphitic zones at both ends of vein with 4.1 pyrite.			

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Section from ft	Section to ft	ROCK DESCRIPTION	Interval from ft	Interval to ft	ALTERATION, MINERALIZATION etc.	VEINLETS Thickness mm	VEINLETS Angle to core	VEINLETS minerals in decreasing abundance
305	312.5	6'/7.5' Recovery. Quartz muscovite schist, similar to above, but with 30% graphitic lamellae. Schistosity to C.A.: 76°, crenulated.			Disseminated pyrite except within graphite where forms globules to 5 mm.			
312.5	321	8.0/8.5 Recovery. Quartz muscovite schist with minor graphite zones. Schistosity to C.A. 065-085.	319	320	Calcite coated fractures. Less than 1% pyrite. Shear zone, very fractured, midly sheared paralled schistosity.			
321	328	Quartz muscovite schist with graphitic lamellae to 1 cm, 30%. 2'/7' Recovery. Schistosity to C.A.: 70°.	328		1% pyrite cubes to 3 mm. 5 mm wide quartz vein at 27° to C.A.			
328	331	2.5/3' Recovery. Quartz muscovite schist. Schistosity to C.A. 82°.			Slightly sheared parallel schistosity. In upper 1', minor disseminated pyrite.			
331	334	1.5/3' Recovery. Graphite with 307. Quartz fragments to 1 cm.			Highly sheared, clayey. Less than 1% pyrite.			