Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY M.A. STAMMERS			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 1966-47
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO. 019263

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	35		Overburden					
35	214		No Record Available (no core or old log data)					
214	242		Qtz-Feldspathic Musc-Bio-Andul ± Garnet ± Chlor Schist; rust-beige with rust red thin biotite bands. Significant					
			alteration/weathering of pyrite micas to yellow-orange in patchy areas. Thinly to widely banded, coarsely porphyroblastic,					
			non calcareous, non carbonaceous, musc ≫ bio schist (white mica envelope). Small Zone @ 228.5'-230.5' where bio ≅ musc.					
			Qtz Veins (≤4" light grey, post D_2) @ 218', 220', 228'. Interval becomes more silicious, more pyritiferous					
			downhole. Py %'s: @ 214' to 233' ≤1%; @ 233'-238' ≤3%; @ 238'-240.5' ≤1% and 240.5'-242 2%-10%					
			Pyrite occurs in blebs and fracture fills. 3" smokey bull qtz vein separates schist from massive sulfides below					
			S_2 = 60° to c.a. @ 214'. Note: core has been split and assayed: 240'-251'. less peletic downhole.					
242	245		MASSIVE SULFIDES; dk brown-green, massive pyrite, pyrrhotite ± galena ± sphalerite ± barite					
			with some qtz, interleaved; no foliation present, some oxidation of sulfides since exposure. Split and assayed.					
245	254.5		Qtz-Feldspathic Musc-Bio ± Andul-Schist; as 214-242, less peletic, more thinly to laminarly banded and					
			more sulfide-rich than 214-242; Py %'s: @ 245-254.5' 5%-10%; 254.5-257.5 ≤4% over intervals					
			S_2 = 70° to c.a. @ 250.5', Andalusite appears @ 253' (late in interval) to become significant; white mica envelope					
254.5	267		Qtz-Fspathic Bio-Musc-Garn-Andul-Schist; beige + dk brown. Noticeable weathering of laminarly					
			banded pyrite. Interval is thinly to laminarly banded, finely porphyroblastic, non calcareous, ≤1% pyrrhotite.					
			non carbonaceous, Musc ≅ Bio Schist. Entire interval contains between 5%-10% py.					
267	269.5		Bull Qtz Vein; blocky grey with minor py and po: 2%-5%					
269.5	375.5		Qtz-Fspathic-Musc-Bio-Garn-Andul Schist; Cf. 245-267 & 214-242. Unit colour is beige-grey with either dk					
			brown or rusty red bio bands. Overall unit is thinly banded, non-calcareous, pyritiferous, generally coarsely porphyroblastic					
			musc > bio schist. Musc to Bio ratio increases downhole. Minor (≪ 1%) chloritic bands distributed.					

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269.5	378.5	(...cont)	Bull Qtz veining @ 280.5 (2"); @282' (1½"); @288.5' (2"); @310' (1½"); @319' (4"); @343' (3");								
			@357 (2") + many <1" qtz bands and veinlets. Pyrite %'s over 10' intervals: 270-280 → ≤2%;								
			280-290 → 15%-25%; 290-300 → 5%-15%; 300-310 → 10%-15%; 310-320 → 2%-5%; 320-365 → ≤2% and								
			365-378.5' → 15%-20%. S_2 = 70° to c.a. @300'; S_2 = 80° to c.a. @350'								
378.5	406		Qtzo Fspathic Bio-Musc-Garn-Andal. Schist; grey-brown with rust red bio bands, moderately to coarsely porphyro-								
			blastic, thinly to laminarly banded bio > musc schist. Notably garnetiferous. Py % falls from ≅5% near top of								
			interval to ≅1% at base of interval. Note: Half of box containing interval 378-387: MISSING. S_2 = 65° to c.a. @ 399'								
			F_2 ∥ to Cont of S_2 ≡								
			F_2 hinge zone @ 400'. One Foot Bull Qtz Vein @ 396.5-397.5. Numerous qtz banding and veinlets.								
406	464		Qtz-Musc-Bio-Andal Schist; as 214-242; 10" massive sulfides (80%-90%) @ 441' majority is py & po.								
			set in qtz-rich rocks. Other py %'s range from 1% to 5% throughout entire interval. Pyrite is distributed in thin to								
			laminar bands and occassionally in blebs. 9" Bull Qtz Vein contact at 421'. 6" qtzite zone @458' with approx. 30%								
			-40% py. S_2 = 65° to c.a @449'. Core split and assayed: 435'-442'; white mica envelope								
464	486.5		Qtzo-Fspathic-Bio-Musc-Andal-Garn-Schist; as 378.5-406; however bio is subequal to musc. Also								
			between 470-473 there are moderately xlline foliaform plagioclase bands resembling a metamorphosed intrusive (?)								
			Pyrite % over interval ranges between 3%-5%. Frequent .25"-.5" foliaform qtz bands.								
486.5	506.5		Qtz-Musc-Bio-Andal-Schist; as 214-242 and 406-464; Bull Qtz Veinlets scattered densely from								
			496'-498'. The same zone consists of blocky core and poor recovery (50%). Pyrite distributions remains @ 1%-5%								
			Good F_2 hinge @ 482', S_2 = 75°-80° @500'								
506.5	513		Qtzo-Fspathic-Bio-Musc-Andal-Garn-Schist; as 378.5-406 and 464-486.5, py ≤ 3% over interval								
513	548		Qtz-Musc ± Bio Schist; cf. 214-242 & 486.5-506.5; unit has dropped 90% of former andalusite								
			Colour is a lt grey beige with an increase in siliceous bands. Biotite is (≤5%) scarce. Bio/Andal;								

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513	548 (cont.)		occur mostly in interval @ 518'-520' with garnets and qtzo-fspathic schist sequence. Py. %'s between 513-522 is											
			moderate @ 20% - 30% and low between 522-532 @ 2% - 8%. Excellent F_2 hinge @ 524' w/ axis ⊥ to line of S_2 strike. Unit is											
			'Faux white mica envelope' and is approaching a musc-qtzite in composition. Eight inch bull											
532.5			qtz vein @ 534' containing 1% galena and 8% pyrrhotite. Same @ 536.5' minus galena. Two inch qtz vein											
			@ 539' contains ≤ 1% py and galena. Interval 532-548 contains overall approx 5%-10% py., << 1% galena											
			and po is restricted to qtz veins as described. S_2 ≅ 80°-90° to c.a. @ 547'. Measurements made difficult											
			by split and assayed core. (540 → at least 620')											
548	553		Brecciated Sulfide Bearing Quartzite; med. gray with 30% dk brown to gold pyrite. Pyrrhotite is found over 20%											
			ten inch zone centred @ 551'. Galena traceable ≤ 4% (max @ 552'); sphalerite cryptocrystalline, suspected ≤ 1%											
			over interval. Core split and assayed.											
553	555		Carbonaceous Qtzite; dk grey, finely xlline, pyrite bearing ≤ 1%, S_2 = 80° to c.a. @ 554', also F_2 axial											
			plane and hinges plainly visible and ≅ S_2 Σ											
555	557.5		Qtz-Musc ± Bio Schist; as 513-548, ≤ 1% py; white mica envelope											
557.5	558.5		Massive Sulfide Bearing Quartzite; as 548-553, brecciated appearance within overall unit. Clasts ≤ 3"											
558.5	559.5		Bull Qtz Vein; blocky, grey with 5%-10% po., ≤ 1% galena and ≤ 3% pyrite.											
559.5	570		Qtz-Musc + Garnet Bio Schist; as 513-548 and 555-557.5; Note difficult to ascertain exact intervals with											
			split; jumbled core; Unit appears to become more garnetiferous and feldspathic down interval. Py ≤ 1%; white mica envelope											
569.5	572		Qtzo-Fspathic Musc-Bio-Andal-Garnet-Schist; as 378.5-406 and 506.5-513'. Note that musc >											
			biotite reducing, dk brown and rust red bio-lamennae colour; Py ≤ 3%; white mica envelope											
572	577.5		Qtz-Musc ± Bio-Schist; as 513-548 and 555-557.5; 2" bull qtz vein @ 573.5' containing											
			15%-20% po, ≤ 3% galena and ≤ 5% pyrite. One foot zone 575-576 of qtz vein with 10% py + po.; white mica envelope											

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577.5	578		Massive Sulfide Bearing Quartzite; as 548-553, po-rich					
578	593		Qtz-Musc-Bio ± Garn Schist; as 53-548 and 559.5-590, one foot section @583' rich in PbS ≅ 20%					
			Pyrite 10% and Pyrrhotite 5%. Py %'s: 578-583 → ≤1% and 583-593 → 5%-10% with max 35% in qtzite					
			veinlets (2 or 3 in interval 1" width); white mica envelope					
593	594		Massive Sulfide Bearing Quartzite; as 548-553, slightly carbonaceous, contains PbS < 1%, Po ≤ 2%; Py ≤ 5%					
594	607		Qtz-Musc-Bio ± Garn-Schist; as 513-548 and 578-593. Bull Qtz Post D_2 veining zone @ 598-599					
			with PbS ≤ 8% and Po ≤ 3% and Py ≤ 1%. Sulfides: between 594-598: ≤ 10% Py and between 598-607					
			≤ 2%. S_2 = 65°-70° to c.a. @599'. Note: Readings are hampered by split and assayed core; white mica envelope					
607	619.5		Massive Sulfide Bearing Quartzite; as 548-553, sulfides (Py, Po, PbS & ZnS ?) comprise 20% of unit					
			Qtz-Musc-Schist interband between 615-616 (as 513-548), Pyrrhotite is (≤ 1%) minor sulfide present.					
619.5	653		Qtz-Musc-Bio ± Garn Schist; as 513-548 and 594-607; patchy galena 1%-3% (620-622.5)					
			Sulfides over interval fall to ≤ 1% of total as one approaches the new lithological contact. Pyrite >>					
			pyrrhotite. S_2 = 70° to c.a. @649.5'. Core retains order @ 638'; white mica envelope					
653	700		Qtzo-Fspathic-Musc-Bio-Andal ± Garn Schist; as 269.5-375.5, porphyroblasts reduce					
			downhole, S_2 is generally irregularity folded at 695'-700'. S_2 = 80°-85° @ 694'					
	EOH							
			Note: Schists in this borehole ≡ to lower portion of schist map					
			unit as seen in 456-75-12 i.e. no highly Al schists this interval					
			White mica envelope intercepts 214-242, 245-254.5, 406-653					