

HOLE NUMBER 56-82-1
 PROPERTY New Grid
 LOCATION 32SW, 6N
 PROJECT CODE _____
 DRILLING CO. _____

GETTY MINING COMPANY
 DEPTH 0' - 260'
 ELEVATION _____
 AZIMUTH, DIP _____
 DRILLING DATE _____

COLLARED _____
 LOGGED BY R. PELLE/G. RUNYON
 DATE _____
 COMMENTS _____

ASSAY DATA

RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA			
87%	fo, c 60°		130			123 - 214.3' Tuffaceous shale, tuff: grey, occasionally greenish grey, occasionally fragmental, finely laminated with small whitish clasts, sometimes displays brownish alteration along cleavage due to incipient weathering. Pyritic in places. Fragments are sometimes dark grey, silicious, tuffaceous material. Strongly sheared.				
			140			132 - 133.5' Greenish-grey zone with stronger alteration than surrounding core				
	c 35°		150			135 - 135.5' Greenish grey zone				
			160			149 - 150' Greenish grey section, more strongly oxidized than surrounding core				
			170			157' 1/2-1/2" layer with 40% very fine grained disseminated pyrite				
100%	c, fo 34°		180			164' Very fine grained pyrite in masses, streaks and oval pods up to 3mm long				
			190	tr cp		171.5-175.4' Strongly fragmental zone with grey to greenish grey fragments in a dark grey aphanitic matrix; fragments mostly 1/16 - 1/4" long comprise about 60% of section				
			200			184' 3/4" thick, concordant quartz-chlorite-feldspar(?) vein with shattered appearance, trace calcite and chalcop- pyrite				
	c 40°		210			208 - 212.5' Dark grey to grey				
			220	calcitic		214.3 - 276.6' Fragmental tuffaceous shale, tuff: dark grey to grey, occasionally black; aphanitic-fine grained; 60% fragments including dark grey shaley fragments and light grey tuff fragments; occasional graphite on fracture surfaces; occasional calcite streaks and veinlets				
100%	c 43°		230			215.4 - 215.9' Light grey zone, softer than knife, similar in appearance to grey footwall alteration but no mineralization; includes some dark grey and greenish yellow streaks; calcite veinlets and masses common				
			240			218' Some fragments show greenish grey alteration rims				
						226' Discordant white quartz veinlets to 3mm thick at 65°				
	c 55°					232, 233' Fault zones with rubble and gouge, upper zone at approximately 70°; both probably less than 1/2" thick				
						239.2 - 245.4' Grey, fine grained - aphanitic, tuff with fragments				

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GETTY MINING COMPANY
 DEPTH 0' - 390'
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 LOGGED BY R. PEASE/G. RUNYON
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SAMPLE LOCATIONS	RECOVERY MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA
100%		c_{40°	260	graphitic fol. calcite veins		267.2' Irregular quartz-calcite veining up to 1" thick. 270' Acid test -52° corrected 273.4' Irregular to concordant quartz-calcite vein	
88%		c_{56°	280			Gradational contact 276.6-319.7' Tuffaceous shale, tuff: grey, aphanitic - fine grained; similar to section from 123 - 214.3', sheared, competent	
		$f_{o,c} \begin{matrix} / \\ 59^\circ \end{matrix}$	290				
		$f_{o,c} \begin{matrix} / \\ 60^\circ \end{matrix}$	300				
		$f_{o,c} \begin{matrix} / \\ 60^\circ \end{matrix}$	310				
		$f_{o,c} \begin{matrix} / \\ 60^\circ \end{matrix}$	320			Gradational contact from grey tuff into carbonaceous shale and tuff 319.7-330' Shale and tuff: dark grey to grey, occasionally black, aphanitic-fine grained, carbonaceous, pyritic, usually as small - large patches surrounded by irregular rind of quartz, occasional small quartz vein parallel to foliation, sheared	
100%		$f_{o,c} \begin{matrix} / \\ 57^\circ \end{matrix}$	330				
		$f_{o,c} \begin{matrix} / \\ 51^\circ \end{matrix}$	340			330 - 397.7' Tuffaceous shale: grey to medium grey, aphanitic to fine grained, slightly carbonaceous, usually contains rounded-flattened fragments which sometimes have a calcite rind, sheared, interbedded with more carbonaceous dark grey shales, occasional quartz and calcite fractures, pyritic in the dark grey carbonaceous sections, non-calcite	
		$f_{o,c} \begin{matrix} / \\ 60^\circ \end{matrix}$	350				
		$f_{o,c} \begin{matrix} / \\ 60^\circ \end{matrix}$	360				
		$f_{o,c} \begin{matrix} / \\ 53^\circ \end{matrix}$	370			Becomes more carbonaceous down hole to 397.7'	

HOLE NUMBER 56-82-1
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GETTY MINING COMPANY
 DEPTH 300' - 520'
 ELEVATION _____
 AZIMUTH, DIP _____
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SAMPLE LOCATIONS	RECOVERY MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA
			390				
			400			397.7 - 444' Shale, dark grey, aphanitic, very carbonaceous, interlaminated/interbedded with tuffaceous shale, pyritic, small quartz and calcite fractures parallel to foliation, sheared	
	f _{o,c} / 64°		410			420' Tuffaceous shale and carbonaceous shale; occasional fragments, rounded or lensoid in shape, pyritic in carbonaceous sections.	
100%	f _{o,c} / 60°		420			431 - 434' Tuff shale; medium grey, fine grained, fragmental, very pyritic-disseminated fine grained	
	f _{o,c} / 64°		430			434 - 445.4' Tuff shale with carbonaceous shale; interbedded fine grained-aphanitic, medium grey - dark grey, pyritic, graded bedding/laminates, possible X-bedding	
	b / 81° f _{o,c} / 64°		440			445.4 - 448.6' Tuff shale, medium grey, fine grained fragmental, pyritic-disseminated and cubes	
	f _{o,c} / 60°		450			448.6 - 499' Carbonaceous and tuffaceous shale; dark grey to light grey, fine grained-aphanitic, pyritic - as cubes and fine disseminated grains, fragmental in areas, tuffaceous show a slight greenish tint increasing down hole possibly from pyrite	
	f _{o,c} / 61°		460			464 - 465' Slightly calcitic with quartz-calcite fractures	
	f _{o,c} / 50°		470			487 - 493' Fragmental shale, carbonaceous, fragments of aphanitic, green to grey tuff (?) ½"-4" Fractures-pyritic, quartz and calcite filled	
100%	f _{o,c} / 57° f _{o,c} / 35° f _{o,c} / 57°		480			499 - 500.6' Fragmental tuff, greenish grey, fine grained, fragments-angular, dark grey, 1mm, round, calcitic 1mm - 7mm, possible concretions or fossil; highly pyritic, sheared	
	f _x / 35° f _{o,c} / 56°		490			505' Acid test -47° corrected	
	f _x / 31°		500			500.6' Carbonaceous and tuffaceous shale; dark grey - medium grey, fine grained - aphanitic, sheared, pyritic, non-calcitic soft sediment deformation prominent in some sections	
	f _{o,c} / 65°		507			507' Down hole survey N51°W, -48°	
	f _{o,c} / 58°						
	f _{o,c} / 60°						

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GETTY MINING COMPANY
 DEPTH 520' - 650'
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 AZIMUTH, DIP _____
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COLLARED _____
 LOGGED BY R. PEZ.../G. RUNYON
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SAMPLE LOCATIONS	RECOVERY MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA				
100%	$f_{0,c} / 61^\circ$		520			525 - 751' Non-calcitic					
	$f_{0,c} / 60^\circ$		530								
	$f_{0,c} / 70^\circ$		540								
	$f_{0,c} / 63^\circ$		550								
	$f_{0,c} / 66^\circ$		560			560' Shale and tuffaceous shale; dark grey to grey, fine grained, pyritic, sheared, soft sediment deformation, sheared					
	$f_{0,c} / 55^\circ$		570								
	$f_{0,c} / 64^\circ$		580			576.3' Very pyritic tuff; ~ 6" long, ~ 50° pyrite - fine grained					
			582.2 - 584.4'			Tuffaceous shale; grey with slight greenish tint, fine grained, fragmental, pyritic					
			584.4 - 596.3'			Shale and tuffaceous shale; dark grey to grey, aphanitic - fine grained, pyritic, fragmental occasionally, quartz/calcite fractures, sheared					
			596.3 - 682'			Tuffaceous shale and shale; medium grey to grey; aphanitic - fine grained, pyritic, fragmental in areas, sheared					
100%	$f_{0,c} / 63^\circ$		610								
	$f_{0,c} / 61^\circ$		620								
	$f_{0,c} / 66^\circ$		630			649.5 - 650.5' Possible fault, sheared, calcite filled					

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GETTY MINING COMPANY
 DEPTH 50' - 780'
 ELEVATION _____
 AZIMUTH, DIP _____
 DRILLING DATE _____

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 LOGGED BYR. Pe...e/G.Runyon
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SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALI-ZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA
		$f_{0,c} / 63^\circ$		650				
		$f_{0,c} / 66^\circ$		660				
				670				
				680				
100%		$f_{0,c} / 72^\circ$		690			682' Shale and tuffaceous shale; dark grey to grey, aphanitic to fine grained, pyritic, fragmental section, darker at top becoming more tuffaceous downwards	
				700	graphite		695 - 697.8' Fault, graphitic, mylonitic, ≈ parallel to length of core, slickensides	
		$f_{0,c} / 62^\circ$		710			705' Acid test -44° 707' Down hole survey N56°W, -42.5° 710' Shale and tuffaceous shale; fragmental, dark grey to medium grey, sheared, pyritic, graphitic in places, aphanitic to fine grained, faulted in some places	
		$f_{0,c} / 66^\circ$		720			711.7' Graphitic, 6" long, along foliation plane	
		$f_{0,c} / 57^\circ$		730				
		$f_{0,c} / 60^\circ$		740				
100%		$f_{0,c} / 66^\circ$		750			745 - 749' Possible fault, graphitic, rubble zone, sheared, no measurable orientation	
		$f_{0,c} / 65^\circ$		760				
		$f_{0,c} / 59^\circ$		770				

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GETTY MINING COMPANY
 DEPTH 10' - 1040'
 ELEVATION _____
 AZIMUTH, DIP _____
 DRILLING DATE _____

COLLARED _____
 LOGGED BY G. Run
 DATE _____
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LOCATIONS	RECOVERY MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALI- ZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA
		f _{0,c} / 67°	910				
		f _{0,c} / 65°	920				
		f _{0,c} / 68°	930			Gradational contact	
100%		f _{0,c} / 67°	940			931.2 - 952' Tuffaceous shale; grey, aphanitic - fine grained, pyritic - usually disseminated, fine grained, sheared, laminated, slightly fragmental, occasional dark grey layers, competent	
		f _{0,c} / 68°	950				
		f _{0,c} / 65°	960			952 - 957.8' Shale; dark grey to medium grey, aphanitic - fine grained, laminated, sheared, slightly pyritic, slightly fragmental, minor quartz veins parallel foliation	
		f _{0,c} / 68°	970			955' Acid test -36° corrected	
		f _{0,c} / 67°	980			957.8 - 961.7' Tuffaceous shale; medium grey, aphanitic - fine grained, slightly fragmental, sheared	
		f _{0,c} / 68°	990			961.7 - 970.1' Shale and tuffaceous shale; dark grey to medium grey, aphanitic - fine grained, fragmental, pyritic - fine grained-cubes, sheared	
		f _{0,c} / 63°	1000			970' Gradational Contact	
100%		f _{0,c} / 65°	1010			970.1 - 974.8' Tuffaceous shale; medium grey to grey, aphanitic - fine grained, pyritic, fragmental, sheared	
		f _{0,c} / 57°	1020			974.8 - 980.6' Shale and tuffaceous shale; dark grey to grey, aphanitic - fine grained, fragmental, pyritic, soft sediment deformation	
		f _{0,c} / 67°	1030			980.6 - 1046' Tuffaceous shale; medium grey to greenish grey, aphanitic - fine grained, fragmental, very little pyrite, indistinct chloritic laminae, sheared, competent, softer than knife	
						Tuffaceous shale becomes more chloritic downhole	

HOLE NUMBER 56-82-1
 PROPEY New Grid
 LOCATION 32SW, 6N
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GETTY MINING COMPANY
 DEPTH 10' - 1170'
 ELEVATION _____
 AZIMUTH, DIP _____
 DRILLING DATE _____

COLLARED _____
 LOGGED BY T. Angley
 DATE 9-17-82
 COMMENTS _____

LOCATIONS	RECOVERY MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALI- ZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA
100%			1040			1043' 1/2" quartz vein Gradational contact	
	$\frac{f_{o,c}}{f_b} \frac{60^\circ}{24^\circ}$		1050			1046 - 1057.3' Tuffaceous shale; greenish grey, chlorite foliation, sheared, pyritic, fragmental, silicious fragments in places, soft sediment deformation, pyrite-cubes	
			1060			1057.3 - 1070' Tuffaceous shale; purple (~70%) and greenish grey (30%), aphanitic to fine grained, laminated, some chloritization present. All core softer than knife.	
			1070			1064 - 1064.7' This section has pyrite as ~5% of core in mostly evenly spaced thin strings conformable to bedding. 1062.9 - 1065.9' Predominantly greenish grey section	
			1080			1070' Gradational contact over .2" 1070 - 1080.2' Tuffaceous shale (tuff): light grey-green, fine grained, equigranular in bedded texture, some weakly defined altered, rounded fragments up to 0.3", ubiquitous but thin	
			1090			dark blue chloritic laminae and thin white calcite laminae conformable to bedding, competent (broken 1078.6-1079.4'), softer than knife	
			1100			1077 - 1078.8' Disseminated pyrite grains 1080' Quick color change	
			1110			1080.2 - 1090' Tuffaceous shale (tuff): predominantly purple with occasional thin (2" and less) grey-green layers; fine grained, equigranular, bedded; trace of pyrite confined to grey green layers; softer than knife, competent.	
			1120			1086' Deep maroon layer (.1"), harder than knife 1082.6' 0.1" white calcite layer	
			1130			1088' 0.5" deep maroon and white quartz-calcite layer 1090 - 1096' Tuffaceous shale (tuff): green blue-green (due to ubiquitous blue chlorite thin laminae), fine grained, equigranular: see 1070-1080.2; occasional pyrite grains and blebs; softer than knife	
100%			1140			1091.5' Mixed quartz-calcite layer 0.5" 1093.6 - 1093.8' Alternating blue-green chlorite layers and white quartz calcite layers	
			1150			1096' Abrupt hardness change 1096 - 1141' Greenstone: grey-green to yellow-green, fine	
	$\frac{f_o}{f_b} \frac{65^\circ}{50^\circ}$						

cross cutting veins from 1111' on down; very competent, hardness near that of knife

1096 - 1100.6' Fragmental area; occasional rounded 1" silicic fragments mixed with layers and fragmental greenstone; thin calcite layers and thin cross cutting calcite-quartz veins; crude layering gives way to nearly massive greenstone

Calcite to 1104'

1100.6 - 1117' Dark grey-green color; occasional fracture zones with epidote filling, fragments are darker colored greenstone

1107' Down hole survey N69°W, -31°

1117 - 1141' Equigranular fine grained greenstone with yellowish tint due to epidote within texture but more noticeably as vein filling, these veins are very hard

1137' Acid test -30°

1141' Abrupt textural change

1141 - 1151.6' Rock name?; gray-green to yellow green; medium grained. quartz and epidote fracture filling, felsic and mafic ~2mm Equigranular grains make up core. 1141 - 1142' altered greenstone angular fragments with rounded felsic and mafic grains in aphanitic greenstone groundmass. Very competent, harder than knife

1143 - 1145.5' Altered section- light yellow-green, much epidote and quartz.

1149' 1" quartz vein at 20° to long core axis.

1151' Sharp contact

1151 - 1191.8' Banded tuff; tuffaceous siltstone; deep maroon to grey, grey-green, aphanitic; approximately 70% maroon and 30% grey to grey-green- similar to hanging wall sequence near holes 66-1 and 66-2; no observable mineralization; harder than knife; many short broken sections especially 1180 - 1182'; possible soft sediment deformation

1156 - 1157' Possible alteration zone, softer than knife with dark blue-green chlorite

Calcitic throughout section in thin white calcite veins or in occasional blebs

PROPER LOCATION PROJECT CODE DRILLING CO. _____
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DEPTH 1170' - 1300'
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CORRECTIONS		RECOVERY MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA					
100%				1176		+	This section may represent an iron formation						
				1186		+	1182 - 1186' Mismatch - core lost						
0%				1190		+	Conformable and abrupt contact with minor brecciation						
				1206		+	1191 - 1320' Green stone; dark blue-green to light grey-green; medium grained to fine grained to nearly massive; calcitic throughout, minor traces of pyrite, near hardness of knife, very competent, epidote present at depth, quartz-calcite veins and shears throughout, sections with phenos. of dark blue chlorite or hornblende						
				1216		+	1191 - 1237' Dark blue-green, fine grained, calcite veins less than 0.5" thick, massive, competent; greenstone breccia at 1192.6 to 1193.4', with contact to massive greenstone @ 15°. Fragments up to 1" thick with greenstone fragments in epidote-greenstone matrix						
				1236		+	1194.2 - 1194.9' Swirly white quartz-calcite-epidote vein						
100%				1240		+	1195 - 1198.5' "Porphyritic" texture with "phenocrysts" 0.3" in size, light grey in greenstone matrix, giving spotty appearance; repeated at 1224-1225; 1227-1231'						
				1250		+	1237' - Onward; large amounts of epidote in veins and ground-mass give overall color change to light grey-green						
				1250		+	1278' 1" calcite vein at 25° to core axis						
				1260		+	1287 - 1292- Sheared zone with pale greenish yellow filling, very hard						
				1260		+	1299.5' Quartz-calcite vein 1/2"						
				1270		+							
				1280		+							
				1296		+							

PROPERTY New Grid
 LOCATION 32SW, 6N
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GETTY MINING COMPANY
 DEPTH 00' - 1387'
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COLLARED _____
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SAMPLE LOCATIONS	RECOVERY MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAY DATA				
			1300			Rock becomes more medium grained with depth.					
			1310			1307' Down hole survey N67°W, -24°					
100%			1320			Gradational change from massive diorite? to foliated section.					
			1330			1320 - 1341' Foliated section, rock name?, light bluish grey to pale olive, medium grained, equigranular, possibly slightly altered (light yellow grey hue), dark swirly bands (blue chlorite?) with pyrite cubes encased, softer than knife, less competent than rock above and below					
			1340			1320.3 - 1328.8' Breccia of blue chlorite with quartz calcite filling					
			1350			1329.1 - 1329.6' & 1331.6 - 1332.1' Quartz, calcite, chlorite zones, partially brecciated					
			1360			1341 - 1387' Greenstone-diorite?; medium grained, dark greenish grey with greyish green groundmass, mafic phenos, equigranular, very competent, hard, epidote veins and swirls					
100%			1370								
			1380								
						1387' Down hole survey N66°W, -22°					
					END	Hole stopped at 1387'					