DRILL HOLE LOG

HOLE No. 3
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COORDINATES 0+00; 3+90E
ELEVATION
DIP -59°
AZIMUTH 267°
SCALE 1.5 IN = 10 FT

CORE SIZE AQ
HOLE STARTED 78/9/23
HOLE COMPLETED 78/10/23
LOGGED BY M.P. PHILLIPS, JANUARY, 1979

ANGLE-FOLIATIO
TO CORE AXIS

FOOTAGE	DESCRIPTION		DIP
0	OVERBURDEN		
66	FIRST CORE		70°
	0.3 FT SHEARED AND MYLONITIZED, FAIR PYRITE	MEDIUM TO DARK GREY, WELL FOLIATED CHLORITIC BIOTITE(?) QUARTZITE WITH OCCASIONAL BANDS 0.1 - 0.2 FT OF YELLOWISH, MICACEOUS, CARBONACEOUS (LOW) QUARTZITE. WEAKLY GRAPHITIC AND MINOR < 0.3FT BANDS OF LIGHT GREY CLEAN QUARTZITE. RARE WHITE QUARTZ LENSES UP TO 0.3 FT. WEAK DISSEMINATED AND FRACTURE PYRITE. LIMONITE COMMON ALONG FRACTURES.	
68.4	½ IN MYLONITE - 30°		75°
70.3	0.3 FT OPEN FRACTURE, WITH COARSE CRYSTALLINE PYRITE		70°
76	STRONG FAULT - ½ IN QUARTZ AND YELLOW FRAGMENTS, FAIR FRACTURE PYRITE.		
80			75°
85	GRAPHITE PARTINGS FIRST APPEAR	LIGHTER IN COLOR THAN ABOVE, CHLORITIC AND BIOTITE, HIGH IN QUARTZ, PARTINGS OF GRAPHITE UP TO ½ IN IMPART STRIPPY APPEARANCE, ROCK GRAPHITIC CHLORITIC FOLIATED QUARTZITE. WEAK DISSEMINATED AND FRACTURE PYRITE. RARE - OCCASIONAL < 0.1 FT BANDS OF LIGHT COLORED (BLEACHED APPEARANCE) MICACEOUS, CARBONACEOUS (ANKERITE) QUARTZITE	75°
87.7	YELLOWISH, MICACEOUS, WEAK CARBONATE QUARTZITE - LOW QUARTZ.		
88.5			
90			75°
91	BASE OF STRONG LIMONITE ON FRACTURES		70°
100			75°
106.8	SHEARED, BROKEN WHITE QUARTZ, OPEN FRACTURES WITH MODERATE PYRITE		70°
108			
109.5	0.7 FT SHEARED AND BRECCIATED		70°
116.2	SEE PAGE 2.		80°
120			

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FOOTAGE	DESCRIPTION	DIP
120	DESCRIPTION AS PAGE 1 WITH LOW GRAPHITE AND HIGH QUARTZ CONTENT	75°
	NUMEROUS, IRREGULAR 0.1 - 0.5 FT. YELLOWISH, BLEACHED APPEARANCE SOFT MICACEOUS, CARBONACEOUS (TRACE) TO WEAK) QUARTZITE TO 146 FT.	50°
129.5	NARROW MYLONITE AND	
130	BRECCIA ZONES	80°
131		
134.7	0.1 FT. FINE BRECCIA	75°
140.2	NARROW BRECCIAS & MYLONITES, QUARTZ VEINING FAIR, FRACTURE PYRITE	75°
		80°
146	CLEAN WHITE QUARTZITE BANDS UP TO 0.5 FT. COMMON. YELLOWISH, MICACEOUS CARBONACEOUS QUARTZITE BANDS STILL COMMON BUT NARROWER. WEAR DISSEMINATED AND FRACTURE PYRITE,	85°
148	BRECCIA AND MYLONITE	
150	ZONES, IN PLACES STRONG PYRITE	70°
152		65°
160		70°
		80°
170		75°
		85°
180		

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FOOTAGE	DESCRIPTION	DIP
180	SEE PAGE 2 FOR DESCRIPTION	80°
183	YELLOW MICACEOUS CARBONACEOUS (ANKERITE) QUARTZITE BANDS DECREASE, GRAPHITE CONTENT DECREASES, PYRITE CONTENT LOWER - WEAK	80°
187	NARROW BRECCIAS, MYLONITE AND SHEAR ZONES, FAIR PYRITE	
190		80°
		80°
200		75°
202	ZONES OF SHEARING AND BRECCIATION	
204		70°
208		
210	HARD, LIGHT COLORED, YELLOWISH, MICACEOUS QUARTZITE WITH TRACES OF CARBONATE. PARTINGS AND OCCASIONAL UP TO 0.3 FT BANDS OF GRAPHITIC QUARTZITE. TRACE DISSEMINATED, WEAK FRACTURE PYRITE.	65°
210.8	MYLONITIZED AND BRECCIATED ZONES FAIR - MODERATE PYRITE IN ZONES	
212		
214.9	BRECCIATED	75°
220		
220.8	0.1 FT BRECCIA	80°
222.5	HIGHLY FRACTURED, OCCASIONAL NARROW BRECCIAS AND MYLONITE BANDS (<0.2 FT.)	80°
230		
230.3		80°
234.5	SOFT MICACEOUS, CARBONACEOUS (LOW) QUARTZITE WITH PARTINGS OF GRAPHITE AND BANDS OF DARK COLORED GRAPHITIC QUARTZITE. FAIR LAMINAE AND DISSEMINATED PYRITE.	
238	FAIR FRACTURING, 0.5 FT BRECCIA AT BOTTOM CONTACT	
240		

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FOOTAGE	DESCRIPTION	DIP
240	SEE PAGE 3 FOR DESCRIPTION	65°
245.4	0.4 FT SHEARED AND BRECCIATED	55°
		80°
250		
		85°
256.5	DARK GRAPHITIC FOLIATED QUARTZITE WITH OCCASIONAL PARTING TO 0.3 FT BANDS OF YELLOWISH MICAEOUS CARBONACEOUS (LOW) GENERALLY SOFT QUARTZITE. FAIR DISSEMINATED, WEAK FRACTURE AND LAMINAE PYRITE. TOWARDS BOTTOM CLEAN QUARTZITE BANDS APPEAR.	
260		75°
		80°
268	ZONES OF SHEARING AND BRECCIATION	
269.6	FAIR FRACTURE PYRITE	
		65°
272	0.5 FT. BRECCIA & MYLONITE - STRONG PYRITE	
273.6	BRECCIA - STRONG DISSEMINATED PYRITE	
274.5		80°
	GRAPHITIC QUARTZITE WITH 1/8 YELLOW PORPHOBLASTS (ANKERITE?)	
280		
281	TRANSITION.	80°
		85°
290		80°
292	0.3 FT. BRECCIA.	
293		
	LIGHT GRAY, HARD (HIGHLY SILICIOUS) TO SOFT, WEAKLY CHLORITIC AND MICAEOUS, CARBONACEOUS (YELLOWISH-ANKERITE) QUARTZITE WITH PARTINGS AND BANDS UP TO 0.3 FT. OF GRAPHITE AND GRAPHITIC QUARTZITE. WEAK DISSEMINATED AND FRACTURE PYRITE	80°
300		70°

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FOOTAGE	DESCRIPTION	DIP
300		
333	DECREASING GRAPHITE AND CARBONACEOUS QUARTZITE BANDS	
304.5	0.4 FT STRONG CLAY WITH HEMATITE STAIN.	80°
310		75°
		80°
		80°
320		
324.5	IN PLACES BRECCIATED AND	
326.0	FRACTURED WITH STRONG PYRITE	
327	HIGHLY FRACTURED	
328.3		
330		
332	TRANSITION — INCREASING AMOUNT OF GRAPHITE TOWARDS BOTTOM CONTACT. MICACEOUS QUARTZITE WITH BANDS OF GRAPHITIC QUARTZITE GRADUALLY WIDENING TOWARDS BOTTOM CONTACT.	80°
		75°
340		80°
		85°
348.2	0.5 FT. QUARTZ FRAGMENTS IN PYRITE MATRIX	
350	LIGHT COLORED MICACEOUS CHLORITIC QUARTZITE WITH POORLY DEFINED PARTINGS AND NARROW BANDS OF GRAPHITE AND GRAPHITIC QUARTZITE. OCCASIONAL < 0.2 FT BANDS OF SOFT YELLOWISH CARBONACEOUS MICAEOUS QUARTZITE (LOW QUARTZ)	80°
		85°
360		

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FOOTAGE	DESCRIPTION	DIP
360		80°
362.5	STRONGLY GRAPHITIC	
364	BRECCIA WITH STRONG	
366	VEINLET PYRITE	85°
	FEW YELLOW MICACEOUS CARBANACEOUS QUARTZITE BANDS.	
370.5	0.1 FT. BRECCIA - STRONG PYRITE	
	LIGHT COLORED, MICACEOUS, CHLORITIC QUARTZITE WITH DECREASING GRAPHITE TOWARDS BOTTOM AND INCREASING BANDS OF MICACEOUS CARBONACEOUS (LOW-ANKERITE?) SOFT QUARTZITE. TRACE DISSEMINATED, RARE FRACTURE PYRITE.	75°
380		75°
		80°
390		75°
		80°
400		80°
		80°
408.3		
410	INCREASING UP TO 3 IN. BANDS OF GRAPHITIC QUARTZITE YELLOW BANDS (MICACEOUS CARBONACEOUS QUARTZITE) UP TO 5 FT WIDE TRANSITIONAL TO LIGHT COLORED MICACEOUS QUARTZITE.	75°
419.3	SEE PAGE 7	85°

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FOOTAGE	DESCRIPTION	DIP
420		
421.3	WHITE QUARTZITE	
425.3	GRAPHITIC QUARTZITE BANDS UP TO 1.5 FT, WHITE MICACEOUS QUARTZITE AND 'BLEACHED' CARBONACEOUS FELDSPATHIC QUARTZITE	70°
430	LIGHT COLORED, MICACEOUS, WEAKLY CHLORITIC QUARTZITE WITH OCCASIONAL - FAIR GRAPHITIC QUARTZITE PARTINGS - UP TO 1.5 FT BANDS. OCCASIONAL UP TO 0.3 FT BANDS OF ALTERED FELDSPAR (SERICITE?) QUARTZ, TRACE CARBONATE AND BLEACHED CHLORITE.	75°
		85°
440		80°
		80°
450		80°
		75°
461	BROWN BIOTITE SPECKLED, SOFT MINOR CARBONATE LOW IN QUARTZ - QUARTZITE (?) WITH UP TO 1/8 IN ALTERED FELDSPAR PORPHOBLASTS WITH OCCASIONAL BAND OF LIGHT COLORED MICACEOUS QUARTZITE, MINOR GRAPHITIC QUARTZITE	80°
461	END OF HOLE	