

# DRILL HOLE LOG

COORDINATES 0+00; 3+90E  
ELEVATION  
DIP -53°  
AZIMUTH 207°  
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

HOLE No. 3  
PAGE 1 OF 7

ANGLE-FOLIATION  
TO CORE AXIS  
DIP

FOOTAGE	DESCRIPTION	ANGLE-FOLIATION TO CORE AXIS DIP
0	OVERBURDEN	
66	FIRST CORE 0.3 FT SHEARED AND MYLONITIZED, FAIR PYRITE	70°
68.4	1/2 IN MYLONITE - 30°	
70.3	0.3 FT OPEN FRACTURE WITH COARSE CRYSTALLINE PYRITE	75°
76	STRONG FAULT - 1/2 IN QUARTZ AND YELLOW FRAGMENTS, FAIR FRACTURE PYRITE.	70°
80		75°
85	GRAPHITE PARTINGS FIRST APPEAR — — — — —	75°
87.7	YELLOWISH, MICAEOUS WEAK CARBONATE QUARTZITE - LOW QUARTZ.	
88.5		75°
90		
91	BASE OF STRONG LIMONITE ON FRACTURES	70°
		75°
100		70°
106.8	SHEARED, BROKEN WHITE QUARTZ, OPEN FRACTURES WITH MODERATE PYRITE	70°
108		
109.9	0.7 FT SHEARED AND BRECCIATED	80°
116.2	SEE PAGE 2.	
120		



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HOLE No. 3  
PAGE 2 OF 7

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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 BRECCIA ZONES	80°
130		
131		
134.7	0.1 FT. FINE BRECCIA	75°
140.2	NARROW BRECCIAS & MYLONITES, QUARTZ VEINING FAIR, FRACTURE PYRITE	75°
146		80°
148	BRECCIA AND MYLONITE ZONES, IN PLACES STRONG PYRITE	85°
150	CLEAN WHITE QUARTZITE BANDS UP TO 0.5 FT. COMMON. YELLOWISH, MICACEOUS CARBONACEOUS QUARTZITE BANDS STILL COMMON BUT NARROWER. WEAR DISS-EMINATED AND FRACTURE PYRITE,	70°
152		65°
160		70°
170		75°
180		85°

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HOLE No. 3  
PAGE 3 OF 7

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

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HOLE No. 3  
PAGE 4 OF 7

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FOOTAGE	DESCRIPTION	DIP
240	SEE PAGE 3 FOR DESCRIPTION	65°
245.4	0.4 FT SHEARED AND BRECCIATED	55°
250		80°
256.5		85°
260	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.	75°
268	ZONES OF SHEARING AND BRECCIATION	80°
269.6	FAIR FRACTURE PYRITE	45°
272	0.5 FT. BRECCIA & MYLONITE - STRONG PYRITE	80°
273.4	BRECCIA - STRONG DISSEMINATED PYRITE	80°
274.5	GRAPHITIC QUARTZITE WITH 1/8 YELLOW PORPHYROBLASTS (ANKERITE?)	80°
280		80°
281	----- TRANSITION.	85°
290		80°
292	0.3 FT. BRECCIA.	80°
293		80°
300	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	70°

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PAGE 5 OF 7

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FOOTAGE	DESCRIPTION	ANGLE FOLIATION TO CORE AXIS DIP
300		
333		
304.5	0.4 FT STRONG CLAY WITH HEMATITE STAIN.	80°
	DECREASING GRAPHITE AND CARBONACEOUS QUARTZITE BANDS	
310		75°
		80°
320		80°
324.5		
3260	IN PLACES BRECCIATED AND FRACTURED WITH STRONG PYRITE	
327		
3283	HIGHLY FRACTURED	
330		
332	TRANSITION	80°
	INCREASING AMOUNT OF GRAPHITE TOWARDS BOTTOM CONTACT. MICACEOUS QUARTZITE WITH BANDS OF GRAPHITIC QUARTZITE GRADUALLY WIDENING TOWARDS BOTTOM CONTACT.	75°
340		80°
		85°
348.2	0.5 FT. QUARTZ FRAGMENTS IN PYRITE MATRIX	80°
350		
	LIGHT COLORED MICACEOUS CHLORITIC QUART- ZITE WITH POORLY DEFINED PARTINGS AND NARROW BANDS OF GRAPHITE AND GRAPHITIC QUARTZITE. OCCASIONAL < 0.2 FT BANDS OF SOFT YELLOWISH CARBONACEOUS MICAE- OUS QUARTZITE (LOW QUARTZ)	85°
360		

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PAGE 6 OF 7

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

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PAGE 7 OF 7

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FOOTAGE	DESCRIPTION	DIP
420	WHITE QUARTZITE	
421.3		
425.3	GRAPHITIC QUARTZITE BANDS UP TO 1.5 FT, WHITE MICACEOUS QUARTZITE AND 'BLEACHED' CARBONACEOUS FELDSPATHIC QUARTZITE	70°
430		75°
440	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.	85°
450		80°
461	BROWN BIOTITE SPECKLED, SOFT MIDDLE 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		80°
461	END OF HOLE	