

SULFIDE VISUAL CORE DESCRIPTION WORKSHEET

169- 1035H-4R-1

Observer: ZUF/TEA/DUC.

SITE/HOLE/CORE/SECTION

BARREL SHEET SUMMARY:

0-18cm: pyrite-magnetite-hematite breccia as sections 2, 3.

18-150cm: Sandstone with 2-10% sulfide impregnation.

cm	Piece number	Graphic representation	Orientation	Drilling Disturb.	Structures	Samples
0	1					
10	2		↑			
20	3					
30	4		↑		↗	
40	5		↑			
50	6		↑		↔	
60	7		↑			
70	8		↑		↗	
80	9		↑		↑	
90	10					
100	11			X		
110	12					
120	13					
130	14			X		
140	15				↗	
150	16			X		
160	17				↗	
170	18				↗	
180	19		↑		↗	
190	20			X		
200	21		↑		↗	

Pieces 1 + 2 (0-18cm) are pyrite magnetite hematite rock. Piece 2 has vestiges of possible sed layering - (layer 2 1/2 cm thick [7.5 → 10cm depth]). Some 0.2mm subvertical to vertical pyrite "veinlets" - discontinuous ca 3cm long - Xcut other minerals.

From 18 cm (piece n. 3) the main lithology is: fine-grained turbiditic SANDSTONES

Piece N 3 is a SANDSTONE WITH MUDSTONE CLASTS from 1-2 mm to 10-15 mm

Several 0.5cm veins in pieces 2 + 4 containing pyrite, sphalerite, and anhydrite. Sedimentary breccia - sandstone + mudstone clasts.

Piece 5: thin 0.2cm ~~partially~~ subhorizontal anhydrite veins.

Piece 6: anhydrite veins + pyrite impregnations.

Pieces 7 + 8: pyrite + sphalerite impregnated sandstone.

Pieces 10, 11, 12, 13 pyrite impregnated sandstone with some disseminated sphalerite(?) (esp. piece 13).

Piece 21. very specky. py + sph + ccp ± isc. + anhydrite en echelon ribbons at ca. 10° to horizontal.

"banded"

lenses ca. 6cm long + 0.8-1cm thick.