

# SULFIDE VISUAL CORE DESCRIPTION

169- 1035 H - 17R - 03  
SITE/HOLE/CORE/SECTION

**BARREL SHEET SUMMARY:** Observer: CLF

lith name \_\_\_\_\_

Major Lithology:

1. Neoblastic pyrite (massive sulfide) variably replaced and filled by black sphalerite
2. and pale green silicates
3. chonitic sediment with pyrrhotite disseminations, blebs, + pyrite neoblasts. (Piece 2)

cm	Piece number	Graphic representation	Orientation	Drilling Disturb.	Structures	Samples
0	1				chl	5%
10	2		↑		chl?	10-15%
20	3					2%
30	4		↑			7-7.5%
40	5		↑		Vs	50-75%
50	6		↑			50-75%
60	7				Vs	7%
70	8				chl?	7%
80	9				Vs	7%
90	10				Vs	7%
100	11				Vs	7%
110	12		↑		Vs	7%
120	13		↑		Vs	7%
130	14		↑		Vs	7%
140	15		↑		Vs	7%
150	16		↑		Vs	7%
160	17		↑		Vs	7%

Pieces 1-2. Neoblastic massive sulfide with brown matrix. Sphalerite replacing pyrite, white mineral in matrix is chonite. Sulfide = 75%.

Piece 2 (50611) Bluish green chonitized sediment with pyrrhotite blebs and veinlets and pyrite neoblasts. Sulfide = 10-15%.

Pieces 3-4. Neoblastic pyrite with a pale green chonite in the matrix and interstitial magnetite (6-8%). Minor sphalerite (5-10%).

Pieces 5-6. ~~massive~~ semi-massive sulfide with a ~~hard~~ sedimentary rock? Neoblastic pyrite with magnetite/sphalerite. Interstitial green silicate is probably chonite. Sphalerite = 4-10%.

Pieces 7-9. Brown compact + fine grained massive sulfide consisting of magnetite (and sphalerite 65-80%) and pyrite (20-30%) with interstitial silicates + minor pyrite veins. Green chonite alteration. Minor chalcopyrite.

Pieces 10-13. High grade sphalerite zone. Neoblastic pyrite (40-60%) replaced and in filled by black sphalerite (30-40%) with interstitial pale green silicates. Black hexagonal wurtzite occurs in vugs. Pyrite veins cut sphalerite.

Pieces 14-17. Neoblastic pyrite (60-70%) partly in filled with gray sphalerite (6-8%) and pale green to white silicate. Vugs of silicate/black sphalerite. Magnetite?