

**SULFIDE VISUAL
CORE DESCRIPTION**

169- 1038E OIR-1
SITE/HOLE/CORE/SECTION

BARREL SHEET SUMMARY: Observer: PET
lith name MASSIVE SULFIDE
Major Lithology: massive f.g., slightly porous pyrrhotite and pyrite with minor sphalerite & trace anhydrite.

cm	Piece number	Graphic representation	Orientation	Drilling Disturb.	Structures	Samples
0	1					
10	2					
20	3					
30						
40						
50						
60						
70						
80						
90						
100						
110						
120						
130						
140						
150						

Piece #1: massive, f.g. pyrrhotite (90%), and pyrite (10%), with a few, rare, crystals of anhydrite. Grain size v. f.g., except in fossil channelways defined by slightly coarser grain size. Pyrite is concentrated or confined to a 3mm wide layer on one edge. ~5 to 7% pore space. Trace sphalerite on one broken surface. One surface

~~Piece #2~~: has very f.g. delicate botryoidal pyrite spheres (working half).

Piece #2: massive, compact, f.g. pyrite (60%), and pyrrhotite (40%) with ~3% porosity. Rare << 1mm white anhydrite ^{or barite} lines (partly) some surfaces. (<< trace overall.)

Piece #3: c.g. (1-2mm) interlocking mesh network of ~~pyrite~~ platy pyrrhotite (80%), ~~pyrite~~ pyrite (pseudomorphing hexagonal pyrrhotite plates) (17%), and trace botryoidal pyrite in one area, and 3% black, high-Fe sphalerite in one patch