

IODP-MSP (Exp. 364) VISUAL SECTION UNIT DESCRIPTION

Exp. 364	Site 77	Hole A	Core 74	Type R	Section 1
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Date 29/09/16	Time 8:11	Observers LF, MW, MP
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Core Distance	CT	Description	
0								<p>polymict breccia, med sand - coarse pebble avg fine pebble grains well rimmed to angular. most subrounded matrix 2.5Y 5/1 poorly sorted, 30-40% grains matrix supported. generally carbonate-rich matrix</p> <p>2 breccia clasts within breccia 0-10 cm + 31-36 cm - suevite breccia clast within a clayey dolomitized mudstone/wackestone - 2.5Y 3/2 calcite filled vug @ 47 cm matrix porous - ruggy w/ reddish alteration +/- calcite</p>	
4								LG to DG - 100% porosity	
10									
16									
20									
26									
28									
30									
34			1	suevite					
37.5									
40									
46				Long (granuloid clast)					
47									
50									
55									
57.5									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

Fault Zone (breccia in breccia) 36
 "Normal suevite" 40
 Same as in previous sections (DG to LG) ≠ CT ≠ clasts

5 to 11 cm rounded "clast" of suevite surrounded by mudstone/wackestone (with (deformed) basalts). Sharp contact/with clasts cut sharply. Clasts up to >1cm from sub-rounded to angular. Same proportions as in previous sections and same types (sd, mt, mag + melts) Red alteration spots < a few mm widely distributed in the matrix.

@ 36 cm; Sharp irregular contact mudstone/wackestone to normal suevite.

@ 70-72; large (~50mm) melt, green vesiculated with flow texture.

@ 46-47; void (15mm) filled with calcite

Breccia in breccia / Fault zone? (low recovery; missing parts of the core)

[Breccia (suevite) clast same as in normal suevite]

CT. of column.