

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

Exp. 364	Site 77	Hole A	Core 11	Type R	Section 1
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Date 23/09/16	Time 11:55	Observers MW, EC
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Burrows	Ichnofabrics	Fossils	Core Disturbance	Description																		
0		1	marlstone	vein //  vein //			1	forams	//	<p>laminated marlstone with dark/light alternations on ~10cm intervals</p> <p>2.5Y 3/2 v. dark grayish brown</p> <p>2.5Y 5/3 lt. olive brown</p> <p>laminae slightly inclined @ top</p> <p>@ 6.5cm a 1cm thick black forams packstone</p> <p>@ 2.5 2.5/1 Black laminated w/ forams, maybe fine disseminated pyrite</p> <p>dark/light alternations</p> <p>1-20 - dk</p> <p>20-31 - lt</p> <p>31-46 dk - lots of forams</p> <p>46-60 lt</p> <p>60-65 dk</p> <p>65-69 lt</p> <p>@ 9cm - thin whitish packstone</p> <p>@ 37-46 calcite filled fracture</p> <p>bedding slightly inclined below fault</p>																		
70											2	marlstone	fractures			1	forams		<p>laminated dk. marlstone</p> <p>@ top 2.5Y 3/2 - displays small normal faults</p> <p>2.5Y 3/1 - v. dark gray below w/ interbedded with 2-3cm thick packstone + argonstone - 71cm 74cm</p> <p>marlstone beneath is grainy - pebbles?</p> <p>silicified interval 82-88cm w/ black layers - murky packstone w/ forams</p> <p>@ 88cm black forams packstone w/ pyrite - both stratiform + finely disseminated + one wide</p> <p>81-89cm - calcite filled fracture</p>									
99																				3	marlstone				1	forams		<p>dark/light alternations as above similar colors in dk</p> <p>dk 99-110cm</p> <p>lt 110-124 - 2.5Y 5/2 - grayish brown</p> <p>dk - marlstone</p> <p>lt - packstone - silt to fine sand, wispy discontinuous darker flecks - few forams</p> <p>@ 10.9cm - thin discontinuous chert</p> <p>one small burrow @ 125cm</p> <p>lots of black flecks - organics?</p>

CT Facies: alternating light + dark gray  
generally lighter colored facies are light in CT w/ mod. density +  
high atomic #. Except for the dark unit with fractures from 69-86  
which is dark in CT w/ mod-high density + mod to low atomic #  
Black siltstone packstones @ 7+89 cm are dark in CT w low  
density + low atomic #