

467034

ESSO BASS-1Core Description

Core No. 1:	1500-1530'	Cut 30'	Rec. 27'
1500-1527	<u>Calcarenite (lime sand)</u> : light grey, fine and medium grained, predominantly fine grained, fairly well sorted, soft, micritic matrix; very slightly argillaceous, brownish organic (?) residue; (silt-size quartzose ? grains ?). Large to (1") calcareous fossil fragments, locally effervesces fairly rapidly, expect much faster if all CaCO ₃ (?); slightly dolomitic (?) fossil fragments. Pelecypods, bryozoa, occasional gastropod and foraminifera; occasional fine grains of glauconite. Massive, no bedding interfaces noted; some bands slightly more competent, but all quite soft.		
Core No. 2:	1998-2028'	Cut 30'	Rec. 8'
1998-2006	<u>Argillaceous Lime Sand</u> : light grey-green, fine grained, soft, friable, silty; abundant grains of glauconite; pyrite finely disseminated (sparsely) throughout and as discreet nodules to 3/4". Fairly abundant calcareous fossil debris; pelecypod shell fragments to 1". Abundant fine fenestellid bryozoa fragments; occasional gastropod shell fragments and occasional foraminifera; echinoid spines (?). Fine and very fine dark brown to black carbonaceous flecks. Very occasional clear and opaque quartz grains, sub-angular to sub-rounded, medium size. Porosity mostly plugged by argillaceous and silty material.		
Core No. 3:	2494-2519'	Cut 25'	Rec. 2'
2494-2496	<u>Calcareous Mudstone</u> : grey green, soft, no fissility, very fossiliferous, calcareous shells, predominately bryozoa, also pelecypods, foraminifera, occasional echinoid spine - (no apparent dip), sparse fine, black carbonaceous flecks in residue.		
Core No. 4:	2617-2647'	Cut 30'	Rec. 23'
2617-2645	<u>Tuffite</u> : (pyroclastic volcanic rock), grey green, mottled, buff and light brown grey, soft and crumbly. Lapilli and bombs (?) of very fine grained, soft, light brown grey tuffite to 6" across in soft, green grey and mottled buff, coarse fragmental matrix: white and light grey zeolite type (?) minerals associated with bombs - massive.		
2645-2647	<u>Tuffaceous sandstone</u> : 6" bands of fine tuffaceous material showing cross bedding ? dipping 10° to axis of core ?		
Core No. 5:	3141-3171'	Cut 30'	Rec. 28'
3141-3171	<u>Shale</u> : medium grey to medium dark grey, very slightly calcareous, slightly to medium fossiliferous, chiefly Pelecypods, with few Gastropods and Crinoid Stems.		
Core No. 6:	3665-3679'	Cut 14'	Rec. 14'
3665-3671	<u>Shale</u> : medium grey, slightly silty, slightly calcareous, very finely micaceous, fossiliferous, Pelecypods, Protozoa, Gastropods, with occasional nodules (fine) of Pyrite.		
3671-3671.5	<u>Shale</u> : medium light grey to medium grey, very silty, very fossiliferous calcareous.		
3671.5-3679	<u>Shale</u> : as above 3665-3671.		

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