

## East Pilchard-1 MSCT Descriptions

No	Depth (m)	Rec. (mm)	B/R	Description
1	2450.0	35	B	Volcanics: Basalt:- mafic, black, dark brownish black, dark greenish black, mottled texture with minor acicular groundmass, very hard, abundant allotrimorphic pyroxene, common olivine, abundant biotite, visible plagioclase feldspars, minor amygdales filled with quartz, minor quartz and calcite veining (secondary).
2	2586.0	43	B	Altered Volcanics: yellowish grey, pale green, pale yellowish brown, white & grayish brown mottled in part, moderately hard to predominantly hard – very hard, minor remnant crystal structure, acicular groundmass, common to abundant altered feldspars and chlorite, minor Quartz.
3	2594.0	55	B	Sandstone: clear, opaque, translucent, fine to very coarse, predominantly coarse to very coarse, predominantly sub-angular to sub-rounded, moderately sorted, minor white argillaceous matrix, loose grains are argillaceous matrix supported, friable in parts, occasionally moderately hards, poor visual porosity.
4	2598.0	55	B	Sandstone: clear, opaque, translucent, fine to very coarse, trace granules, predominantly sub-angular to sub-rounded, poorly sorted, minor white argillaceous matrix, loose grains are argillaceous matrix supported, poor to fair visual porosity.
5	2602.0	38	B	Sandstone: clear, opaque, translucent, fine to very coarse, predominantly medium to very coarse, trace granules, predominantly sub-angular to sub-rounded, moderately sorted, locally minor very pale orange and pale yellowish brown argillaceous matrix, poor to fair visual porosity.
6	2610.0	38	B	Siltstone: dark yellowish brown, very hard, common carbonaceous specks and flecks, abundant carbonaceous laminae, argillaceous, arenaceous in part and grades to a fine Sandstone, massive.
7	2620.0	34	B	Volcanics: Basalt:- mafic, black, dark brownish black, dark greenish black, mottled texture with minor acicular groundmass, very hard, pyroxene, olivine, common biotite, plagioclase feldspars. Siltstone: dark brownish black, very hard, common carbonaceous specks and flecks, abundant carbonaceous laminae, argillaceous, arenaceous in part, massive.
8	2627.5	40	B	Sandstone: clear, opaque, translucent, fine to very coarse, predominantly medium, sub-angular to sub-rounded, moderately sorted, minor argillaceous and siliceous cement, hard, poor to fair visual porosity, trace vugs.
9	2633.5	33	B	Shale: brownish black, hard, common carbonaceous laminae, minor coal, common carbonaceous flecks and specks, argillaceous, massive, locally minor clear and translucent fine grained sand which has argillaceous matrix.
10	2641.0		R	Empty
11	2644.0	38	B	Shale: brownish black, hard, minor thin carbonaceous laminae, common carbonaceous flecks and specks, argillaceous, massive, trace quartz.
12	2652.0	35	B	Siltstone: brownish black, hard, minor thin carbonaceous

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13	2663.0	36	B	laminae, common carbonaceous flecks and specks, argillaceous, micromicaceous in parts, massive. Sandstone: clear, opaque, translucent, pale grey, trace dark grey, fine to very coarse, predominantly medium to very coarse, predominantly sub-angular, occasionally angular, poorly sorted, trace fractured grains, trace quartz overgrowths, minor white argillaceous matrix, trace calcareous cement, locally trace disseminated pyrite, hard, friable in parts, poor visual porosity, trace vugs. Trace Shale.
14	2669.0	9	R	Sand + predominantly Mudcake.
15	2700.5	33	B	Shaly Sandstone: clear, translucent, opaque, predominantly fine grained, trace medium, rare coarse, predominantly well sorted, sub-angular to sub-rounded, common pale yellowish brown argillaceous and siliceous matrix, hard, trace coal, common carbonaceous specks and flecks, shaly in parts, poor visual porosity, trace thin vugs.
16	2708.5	3	R	(Empty)
17	2721.5	36	B	Sandstone: clear, opaque, translucent, trace pink, fine to medium, predominantly medium, sub-angular to sub-rounded in part, moderately sorted, minor kaolin matrix, minor pale yellowish brown siliceous cement, locally trace red siderite, hard, friable in parts, poor visual porosity. Trace carbonaceous Shale and Coal.
18	2728.5	44	B	Sandstone: clear, opaque, translucent, pale grey, fine to very coarse, rare granules, sub-angular, locally sub-rounded, poorly sorted, locally minor argillaceous matrix, commonly friable, poor to fair visual porosity. Trace Siltstone and Coal.
19	2751.0	40	B	Sandstone: clear, opaque, translucent, pale grey, fine to very coarse, sub-angular, occasionally angular, locally sub-rounded, poorly sorted, locally minor argillaceous matrix, friable in parts, hard, poor visual porosity. Trace Coal.
20	2754.0		R	Empty
21	2759.0	38	B	Interbedded Shale and Sandstone Laminae: brownish black shale with carbonaceous laminae, moderately hard, fissile, micromicaceous in part. Sandstone Laminae: fine grained sub-angular well sorted sand with minor argillaceous matrix, nil to tight visual porosity
22	2763.0	41	B	Sandstone: clear, opaque, translucent, trace pale grey, fine to predominantly very coarse, poorly sorted, sub-angular to angular in part, common silty and argillaceous matrix, friable in parts, poor to fair in part – visual porosity.
23	2764.5	37	B	Sandstone: clear, opaque, translucent, fine to very coarse, trace granules, poorly sorted, sub-angular to sub-rounded in part, minor silty and argillaceous matrix, trace pyrite, friable, fair visual porosity.
24	2783.0		R	Empty
25	2878.5		R	Empty