

Sample Descriptions cont'd

DONDU-1

369035

DEPTH	%	DESCRIPTION
		POH to run 13-3/8" casing.
		13-3/8" casing at 2809'
		Drilling ahead at 0700 hrs.
2854-- 2870	100	<u>Marl</u> , green-grey, firm, silty in part, with scattered fossil fragments, pelecypods (generally orange-brown in colour) bryozoa. Abundant cement cavings. (Very fast drilling 500' - 700'/hr)
2870 - 2930	100	<u>Marl</u> , green-grey, as above.
2930 - 2960	100	<u>Marl</u> , as above, with trace bright green siltstone, soft, glauconitic.
2960 - 2990	100	<u>Marl</u> , as above. Sample up to 40% cement cavings.
2990 - 3050	100	<u>Marl</u> , as above.
3050 - 3080	100	<u>Marl</u> , green-grey, firm, silty in part and tends to be light olive grey, where silty. Scattered fossil fragments and forams throughout. Less than 10% of sample staining with phenolphthalein, i.e. very few cement cavings.
3080 - 3170	100	<u>Marl</u> , as above.
3170 - 3200	100	<u>Marl</u> , as above. (No cement contaminations)
3200 - 3230	100	<u>Marl</u> , as above. (No Porosity and Permeability)
3230 - 3290	100	<u>Marl</u> , as above, grading to medium grey, calcareous mudstone.
3290 - 3350'	100	<u>Mudstone</u> , medium grey - grey green, calcareous, firm, fossilifer forams, non fissile, slightly silty in part. Cuttings beginning to make mud.
3350 - 3410	100	<u>Mudstone</u> , as above
3410 - 3440	100	<u>Mudstone</u> , green-grey and medium grey, firm, slightly fissile, slightly calcareous, (dominantly forams) <u>not</u> silty. Sample dissolving into sea water (i.e. making mud).
3440 - 3530	100	<u>Mudstone</u> , as above.
3530 - 3590	100	<u>Mudstone</u> , as above. Occasional pyrite aggregates dropping out of desander. Making good mud, up to 9.4 ppg.
3590 - 3650	100	<u>Mudstone</u> , as above.
3650 - 3710	100	<u>Mudstone</u> , as above.
3710 - 3770	100	<u>Mudstone</u> , as above.
3770 - 3830	100	<u>Mudstone</u> , as above.
3830 - 3890	100	<u>Mudstone</u> , as above, slightly silty in part.
3890 - 3950	100	<u>Mudstone</u> , as above, with occasional pyrite aggregates up to 2 mm diameter.
3950 - 3980	100	<u>Mudstone</u> , as above with occasional shell fragments.
3980 - 4010	100	<u>Mudstone</u> , as above, with occasional glauconite pellets.