

221343

PROJECT: MOINA
HOLE NO: SMD 10
DRILLED: JUNE 1976

CORE SIZES: 0 - 45.00 NQ
45.00-117.50 BQ

LOGGED BY: P. ASKINS
ORIENTATION: VERTICAL
CO-ORDS: 700E 50N

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	29.00	BASALT, 0 - 6 poor recovery probably HW - CW 6 - 22 matrix scoria mostly MW with basalt fragments fresh - SW 22 - 29 mostly SW matrix Scoriaceous as in previous holes. 0 - 27 much white f clay (or zeolite(?)) in scoria interstices.
29.00	31.00	SILTSTONE-MUDSTONE, fresh, grey, soft, friable, bedding folded at 30.00
31.00	34.00	
34.00	36.70	
36.70	38.75	GRAVEL-SAND, angular and sub-rounded pebbles up to 5 cm of mostly quartz-rich sandstone, quartzite (Moina sandstone and Roland conglomerate fragments?) - areas of no core recovery probably are sand. Trace f disseminated scheelite with golden fluorescence.
38.75	46.30	SILTSTONE-MUDSTONE, fresh, graphite rich, some disseminated pyrite 1 cm patch of m sphalerite at 37.00, possibly preserved because of reducing graphitic conditions. Bedding 70°.
46.30	47.55	WRIGGLITE, some calc-silicate rock, some metasilstone. 38.75 - 41.00 HW - CW, 41.00 - 46.30 Frst. Calc-silicate and metasilstone are irregular probably because of original burrowed beds. One calc-silicate layer 44.00 - 44.30. Metasilstone bedding 65° at 43.40. Patches pyrite locally. Scheelite nearly absent, only a little in scattered places.
47.55	56.50	SANDSTONE, METASILSTONE. Frst. Pale cream, off-white, m, quartz sandstone in most places, with silty beds e.g. at 47.30 at 60°.
		WRIGGLITE, METASILSTONE interlayered. 47.30 - 51.00 Frst, 51.00 and below fresh. Metasilstone is off white, quartz rich, tends to f sandstone, and to calc-silicate in places.

TERTIARY