Amoco Minerals Australia Company

DRILLHOLE Nº ZT-83-14 **Page** 1 of 3 **drill log** metric

PROJECT ZEEHAN - TASMANIA Nº 7860	**ELEVATION**	**COMMENCED** 15-2-83	BORE HOLE SURVEY Eastman Single Shot Camera														
			Depth m	Dip	Bearing	Depth	Dip	Bearing	Depth	Dip	Bearing						
PROSPECT OCEANA.	**DIP COLLAR** −61°	**COMPLETED** 04-3-83	97	61°	214°												
CO-ORDINATES 3670 N 1575 E	**CORE SIZE** HQ, NQ	**TOTAL LENGTH** 172.20 m.	156	61½°	214°												
BEARING 090° G 217° M 228° T	**LOGGED BY** P.A.J.	ADD IOL MINDRILL DIAMOND DRILL															

METERAGE From	METERAGE To	DESCRIPTION	MINERALIZATION	SAMPLE Nº	METERAGE From	METERAGE To	METERAGE Length	ASSAYS
0.00	24.00	CASING ADVANCER - TRICONE Argillaceous Clays.						
24.00	46.20	INTERBEDDED CALCLUTITE / DOLOMITE / MINOR CALCARENITE. Unfossiliferous grey calclutite, interbedded with thin (av < 1.5cm width) black argillaceous dolomites and grey speckled bioclastic calcarenite. Bedding contacts wavy and weakly soft sediment deformed. Minor calcite veining. Bedding 47° to ca@39.9m						
46.20	94.00	WEAKLY SILICIFIED AND DOLOMITIZED CLAY ZONE - MINE FAULT ?? Sequence of very poor recoveries (< 10%), drill washed most of core away (Fault Zone - clay matrix) Recovered fragments are silicified, weakly dolomitized fine grained muddy limestones and possibly argillaceous dolomites. Minor calcite veining.						
94.00	100.00	INTERBEDDED ARGILLACEOUS DOLOMITE / CALCLUTITE. Soft sediment deformed argillaceous black dolomite interbedded with light grey sandy? calclutite. Minor soft sediment deformation and moderate stylolitization.						
100.00	106.80	DEBRIS FLOW BRECCIA. Weakly layered, matrix support breccia with subangular to rounded fragments of host rock limestones and dolomites as well as coralline and stromatoporoid fragments set in a black fine grained speckled bioclastic argillaceous dolomite matrix. Layering 40° to ca @ 104.50m						

METERAGE From	METERAGE To	DESCRIPTION	MINERALIZATION	SAMPLE Nº	METERAGE From	METERAGE To	METERAGE Length	ASSAYS
106.80	110.40	LAMINAR CALCLUTITE. Unfossiliferous light grey calclutites with dark grey argillaceous dolomite laminae. Bedding 45° to ca @ 109.4m. Minor 'birds-eye' structures filled by Sparry calcite.						
110.40	115.20	DEBRIS FLOW BRECCIA. Angular to subrounded large and small fragments of limestone, dolomite, corals and other bioclastic debris set in an argillaceous black dolomite matrix. Clast boundaries heavily stylolitized. Minor calcite veining.						
115.20	132.00	INTERBEDDED FOLIATED MUDDY CALCLUTITES AND DOLOMITES. Predominantly unfossiliferous dark grey muddy, foliated, calclutites interbedded with black argillaceous dolomites. Very minor thin bands of bioclastic calcarenites. Core weakly soft sediment deformed rather than foliated towards base of sequence. Bedding 30° to ca @ 129.5 m.						
132.00	136.30	INTERBEDDED SLUMPY CALCLUTITE/ DOLOMITE/SEDIMENTARY BRECCIA. Unfossiliferous grey calclutite interbedded with black argillaceous dolomite and bioclastic (oncolitic, minor coral, host fragments set in an argillaceous dolomite matrix) sedimentary breccia. Clasts vary from rounded to strip like fragments (rip-up clasts). Speckled texture to fine grained bioclastic debris in matrix.						
136.30	172.20	DEBRIS FLOW BRECCIA. Layered sequence of chaotic breccias, bioclastic lithic calcarenites and soft sediment deformed calcarenite and argillaceous dolomites.						

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drill log metric

METERAGE From	METERAGE To	DESCRIPTION	MINERALIZATION	SAMPLE Nº	METERAGE From	METERAGE To	METERAGE Length	ASSAYS
136.3	172.2	CON'T.						
		136.3 - 146.3 : Massive sequence of matrix support slump breccia's with fragments of green shale, white and grey limestone, grey argillaceous dolomite and minor corals, stromatoporoid fragments and other pelletal and bioclastic debris set in a light grey to black limestone and dolomite matrix - minor stromatolaelts present.						
		146.3 - 148.3 : Soft sediment deformed unfossiliferous grey muddy calclutites inter-bedded with black argillaceous dolomite. Wavy bedded due to soft sediment deform-ation						
		148.3 - 156.8 : As for interval 136.3 - 146.3 with increased content of corallive and stromatoporoid debris and the breccia is more clast support with less argillaceous dolomite matrix. Minor calcite and siderite veining.						
		156.8 - 165.2 : Matrix support sedimentary breccia containing rounded to sub-angular fragments of grey limestone and minor bioclastic debris set in a dark grey limestone matrix. Minor calcite veining, trace siderite. Minor tectonic breccia 161.5m						
		165.2 - 172.2 : Chaotic Debris Flow Breccia (Fossil Breccia). Mixture of matrix and clast support breccias with abundant fossiliferous detritus (corals - solitary and colonial, stromatoporoids, shelly debris) and fragments of white to grey limestone and black dolomite within an argillaceous dolomite matrix. Core extensively siderite (as replacements and thin veinlets) from 168 to end of hole.						
		END OF HOLE 172.2 metres.						