Amoco Minerals Australia Company

DRILLHOLE Nº ZT-82-11 Page 1 of 3 **drill log** metric

PROJECT ZEEHAN - TASMANIA Nº 7860	ELEVATION	COMMENCED 4-11-82	BORE HOLE SURVEY		
PROSPECT OCEANA.	DIP COLLAR -45	COMPLETED 17-11-82	Depth / Dip / Bearing	Depth / Dip / Bearing	Depth / Dip / Bearing
CO-ORDINATES 3602 N 1374 E	CORE SIZE HQ	TOTAL LENGTH 87.90			
BEARING 090 G 037 M 048 T	LOGGED BY P.A.J.	ADD 10L MINDRILL DIAMOND DRILL			

METERAGE From	METERAGE To	DESCRIPTION	MINERALIZATION	SAMPLE Nº	METERAGE From	METERAGE To	METERAGE Length	ASSAYS Cu	Pb	Zn	Ag	Mn
0.00	3.50	ALLUVIAL GRAVELS AND DOLOMITE. Sequence of fluvioglacial gravels overlying CW black argillaceous dolomites.		79710	2	3	1	14	9600	4700	6	24
3.50	8.50	INTERBEDDED BROWN, GREY, MOTTLED C.W. LIMESTONE. Sequence of CW mottled grey, brown and olive coloured textureless argillaceous clays. Minor sulphide smelling zones and relict pyrite possibly paralleling relict laminar bedding? Slightly weathered zones of galena aggregates and trace sphalerite ≈ 8.00 metres.	Minor pyrite and fine grained aggregates of galena: 1-2% Pb-Zn 6-8.5 metres.	79711	3	4	1	14	1600	5500	1	16
				79712	4	5	1	12	1000	3600	<1	12
				79713	5	6	1	24	1000	4800	3	28
				79714	6	7	1	38	3.75%	2.50%	34	28
				79715	7	8	1	30	5.05%	3.20%	24	36
				79716	8	9	1	80	8.40%	3.10%	38	95
8.50	12.90	LAMINAR TO THINLY BEDDED CW LIMESTONE. Relict laminations and bedding planes cut core at ≈ 40 to 45° to c.a. Fine layers of pyrite and galena/ trace sphalerite occur parallel to bedding. Minor brecciation textures? CW Limestone composed entirely of grey to dark grey argillaceous clays.	Pyrite and galena / sphalerite parallel to bedding? and as coarser grained aggregates ≈ 3% Pb-Zn 8.5-12.0 metres.	79717	9	10	1	30	3400	1.30%	12	90
				79718	10	11	1	26	1600	3.30%	15	1650
				79719	11	12	1	20	1750	7000	5	2.7%
				79720	12	13	1	22	2800	4600	6	2.5%
12.90	14.00	MOTTLED H.W. SIDERITE BRECCIA. Mottled orange, black, brown, breccia containing HW siderite fragments with trace galena.	Minor galena 12.9 to 14.0 metres ≈ 1.5% Pb.	79721	13	14	1	18	1.35%	7100	8	4.15%
14.00	17.60	KARSTIC COLLAPSE BRECCIA. Moina formation rounded quartzite pebbles (pink coloured) set within highly argillaceous and carbonaceous dolomite matrix. Both pyrite and galena are observed as fine grained disseminations and aggregates. Sequence contains abundant fine grained quartz sand.	Trace galena and minor pyrite.	79722	14	15	1	14	2000	3300	4	300
				79723	15	16	1	12	3500	560	4	150
				79724	16	17	1	20	1.0%	6000	5	570
				79725	17	18	1	12	1800	6800	3	2.5%

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METERAGE From	METERAGE To	DESCRIPTION	MINERALIZATION	SAMPLE Nº	METERAGE From	METERAGE To	METERAGE Length	ASSAYS Cu	Pb	Zn	Ag	Mn
17.60	26.40	MOTTLED ORANGE / BLACK CLAYS AND WEAKLY MINERALIZED SIDERITE. Mottled brecciated? orange and black CW Dolomite containing numerous horizons of HW siderite weakly galena (minor sphalerite) mineralized. Core very sulphide smelling. Mineralized siderite @ 18.9 – 20.4 m. (recovery ≈ 20%) 21.9 - 23.4m (≈ 15% recovery) 24.9 – 26.4 m. (≈ 10% recovery).	Minor galena (trace sphalerite) and pyrite within siderite host.	79726	18	19	1	22	6900	1.5%	8	1.15%
				79727	19	20	1	22	3600	2.0%	4	10.0%
				79728	20	21	1	28	300	3000	<1	2.1%
				79749	21	22	1	36	880	7600	3	1.85%
				79750	22	23	1	18	1.29%	6700	11	8.80%
				79951	23	24	1	16	1.26%	1.50%	11	8.80%
				79952	24	25	1	16	2600	7800	5	9.30%
				79953	25	26	1	18	1.54%	1.30%	12	7.90%
				79954	26	29	3	20	1500	4200	2	1.90%
				79955	29	30	1	20	920	1300	2	1.85%
				79956	30	31	1	20	85	150	1	3100
26.40	48.90	GREY HW - CW LIMESTONE. Weakly mottled light grey to grey CW clays with minor relict HW fragments of massive calcilutites and bioclastic calc - arenites with minor dolomitisation and minor disseminated galena throughout. Galena does replace certain fossil fragments @ 33.5 metres.	Trace galena.	79957	31	32	1	20	165	1100	2	1.40%
				79958	32	33	1	24	1100	2700	3	1.10%
				79959	33	34	1	20	4700	9600	5	2.20%
				79960	34	35	1	16	300	2000	6	1.10%
				79961	35	36	1	16	330	1300	4	9200
				79962	36	38	2	16	130	1200	2	1.00%
				79963	38	39	1	16	95	1100	1	6800
				79964	39	40	1	16	280	2500	1	1.75%
				79965	40	41	1	16	70	2300	1	1.10%
48.90	60.90	GALENA/SPHALERITE MINERALIZATION - SIDERITE/DOLOMITE HOST. Sequence of crudely layered (≈ 40° to ca) finely grained vughy grey crystalline dolomite. Vughs infilled by cream coloured siderite and minor veining of siderite. Galena / sphalerite (pink) occurs as coarse grained aggregates and veinlets within dolomite host occasionally parallel to bedding. Bad recoveries from 59.4 - 60.9m. ≈ 5-10%. Minor zones contain coarsely crystalline Dolomite with associated disseminated galena. Core very broken.	53.5 - 59.5 = 6m Est @ 5% Pb-Zn.	79966	41	42	1	12	160	1650	1	1.50%
				79967	42	43	1	14	210	1600	1	5400
				79968	43	44	1	16	50	1300	1	9800
				79969	44	45	1	12	32	280	1	6900
				79970	45	46	1	12	42	130	1	6100
				79971	46	47	1	10	46	175	1	8200
				79972	47	48	1	10	180	1600	1	2.05%
				79973	48	49	1	16	160	1100	1	3.20%
				79974	49	51	2	16	2800	3000	2	9.80%
				79975	51	52	1	12	1700	1900	2	9.90%
				79976	52	53	1	12	2900	1100	3	11.00%
				79977	53	54	1	22	5900	2200	5	10.20%
				79978	54	55	1	85	1.65%	6.2%	15	9.10%
				79979	55	56	1	10	9350	3000	6	8.40%
60.90	63.30	GREY/BROWN CW LIMESTONE/DOLOMITE Massive brecciated cw grey, brown argillaceous limestone - dolomite.		79780	56	57	1	18	1.61%	1.3%	9	8.90%
				79981	57	58	1	44	3.65%	1.4%	18	8.80%
				79982	58	59.5	1.5	120	19.20%	1.20%	70	9.00%
				79983	61	62	1	22	6300	1.00%	6	5.40%
				79984	62	63	1	18	2900	3.80%	3	6.90%

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METERAGE From	METERAGE To	DESCRIPTION	MINERALIZATION	SAMPLE Nº	METERAGE From	METERAGE To	METERAGE Length	ASSAYS Cu	Pb	Zn	Ag	Mn.
63.30	72.90	GALENA/SPHALERITE MINERALIZATION - FINE GRAINED DOLOMITE HOST. Minor galena sphalerite (pink) occurs as fine grained disseminations and wispy veinlets within a fine grained sidentic veined and vugh infilled dolomite. Core very broken with poor recoveries from 68 to end of unit.	66.0 - 68.0 m = 2m est. 2% Pb-Zn.	79985	63	64	1	10	3300	1.60%	3	8.90%
				79986	64	65	1	18	3900	4.00%	3	11.20%
				79987	65	66	1	12	6300	1.60%	4	9.00%
				79988	66	67	1	42	3.80%	1700	26	9.60%
				79989	67	68	1	70	5.40%	5.00%	23	9.10%
				79990	68	69	1	6	2400	3.30%	2	8.60%
				79991	69	70	1	6	1300	2.60%	1	8.10%
				79992	70	71	1	6	480	1.20%	1	6.20%
72.90	81.00	CW AND HW BLACK-GREY LIMESTONE. CW black and grey argillaceous clays containing fossil debris and minor relict HW fragments of dolomitized (fine to medium grained) shelly limestone.		79993	71	74	3	10	700	1.30%	1	4.60%
				79994	74	75	1	16	150	1350	1	1.00%
				79995	75	76	1	16	120	560	1	4400
				79996	76	77	1	14	110	690	<1	3000
				79997	77	78	1	14	310	3600	1	1.15%
				79998	78	80	2	6	95	950	<1	4600
81.00	83.50	SIDERITE VEINED AND INFILLED LEAD ZINC MINERALIZED LIMESTONE. Patches of coarsely crystalline pale cream coloured siderite and siderite veinlets containing pink sphalerite and galena set within a matrix of fine grained grey dolomitized limestone. Minor colloform banding in patches of siderite. Core badly broken.	81.0-83.0 = 2m Est @ 2.5% Pb-Zn.	80000	80	81	1	16	870	4800	1	9400
				91551	81	82	1	12	4000	3200	4	7.9%
				91552	82	83	1	32	2.15%	2.25%	20	4.9%
				91553	83	84	1	14	7400	5300	5	3.60%
83.50	86.70	CW BLACK AND GREY LIMESTONE/DOL. CW sequence of black and dark grey argillaceous clays with minor ferruginous clasts and relict HW fragments of very fossiliferous bioclastic calcarenite.		91554	84	85	1	16	2800	4400	2	2.9%
				91555	85	86	1	30	1350	1.80%	1	3500
86.70	87.90	HW TO MW SEDIMENTARY BRECCIA. Ragged clasts of corallite, stromatoporoid and oncolites and other skeletal debris set within a grey fine grained weakly argillaceous calcareous matrix. Minor calcite and siderite veining with associated minor galena / sphalerite / pyrite - trace chalcopyrite?? END OF HOLE	86.7 - 87.9 m = 1.2m Est @ 1% Pb-Zn.	91556	86	87.9	1.9	16	230	900	<1	2950