526096

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BROKEN HILL PROPRIETARY CO. LTD.

DRILL LOG HEADER SHEET.

Project: TIN, TASMANIA
Prospect: WARATAH T650
Local Grid co-ords.
AMG co-ords CQ815106
Drilling Co: OVERLAND DRILLING Co.
Drill type: WARMAN 500, WARMAN 250
Driller: R. WADDLE W.EVERSDEN
R. LESAY I. LARSEN

Hole No: WA. 6.
Total depth: 261.5m
Bearing:
Depression VERTICAL
R.L. Collar:
Commenced: 4/3/83
Completed: 10/3/83
Logged by: S.P. KERBER
Sampled by: S.P. KERBER

Hole Size		From	To	Total
Non-core	HQ	0	140.0	140.0
Core	NQ	140.0	201.0	61.0
	BQ	201.0	261.5	60.5
Casing				
Casing left.				

Core storage:	SCAMANDER
No. of trays.	15 CORE 2 CHIP
Sample storage	ANALABS - CODEE
Geochem. Lab.	ANALABS
Analytical reports	
Min. and Pet. Lab.	M.R.L.
Min and Pet report	

Hole Survey Data: Susceptibility - 2m intervals. GEOCHEM. - BE 508Y - BE 509Y

Summary Log: TERTIARY 0 - 219.25 Basalt

PRECAMBRIAN 219.25 - 261.5 Shale

E.O.H 261.5m

Comments: Precollared by Warman 500 to 140.0m.

Project WARATAH T650

THE BROKEN HILL PROPRIETARY CO LTD

Drillhole No. WA.6.

Sheet 1 of 3

DRILLING						DESCRIPTIVE LOG					INTERSECTION ANGLE LCA						
Core size	From m	To	Inter-sected m	Recov-ered	% Recovery	From m	To	LITHOLOGY	MINERALISATION	Sample No	Bedding	Veins		Other contacts	Fract.	Petrology etc.	Box No
						0	4	Not recovered.									
						4	14	CLAY grey, grey basalt chips, zeolites abundant.									
N																	
O						14	140	BASALT very dark, yellow zeolites abundant.									
N								48-50 Basalt, abundant grey-brown chips of shale, weathered basalt.									
-								50-52 Basalt, grey, abundant zeolites									
C								52-56 Basalt, grey.									
O								56-76 Basalt, very abundant zeolites, kaolinite									
R								76-82 Basalt, pink, weathered									
I								82-104 Basalt, abundant zeolites									
N								104-108 Basalt, red-brown, weathered.									
G								108-110 Basalt, grey, fresh.									
								110-112 Basalt, red-brown, weathered, minor zeolites.									
								112-120 Basalt, grey, fresh.									
								120-134 Basalt, red-brown weathered chips.									
								134-138 Basalt, grey, zeolites									
								138-140 Basalt, red-brown, weathered									
						140.0	219.25	BASALT grey, medium grained.									
	140.0	143.0	3.0	2.85	95			140.0-140.5 Basalt, amygdaloidal ½cm in size, ovoid shapes.									1
	143.0	146.0	3.0	3.00	100			140.5-150.26 Basalt, dense, high secondary mineral content. Iddingsite /bowlingite.									
	146.0	149.0	3.0	3.00	100												2
N	149.0	150.5	1.5	1.35	90			150.26-151.5 Basalt, amygdaloidal.									
Q	150.5	153.5	3.0	3.0	100			150.5-151.28 Basalt, irregular amygdales, calcite veins, clayey, weathered.				60°					
								151.28-151.47 Basalt, vein									
C								151.47-151.94 Basalt, weathered, 2cm wide calcite vein.				5°	10°				
O	153.5	156.5	3.0	2.95	98.3			151.94-163.92 Basalt, dense thin calcite veins.				80°	45°		80°		3
R	156.5	159.5	3.0	3.0	100												
I	159.5	162.5	3.0	3.0	100												
N	162.5	164.3	1.8	1.8	100			163.92-164.3 Basalt, 1½cm chalcedony vein runs vertically down the core.									4
G	164.3	167.4	3.1	3.1	100			164.3-164.65 Basalt, 10cm red clay then green-grey weathered, partly amygdaloidal.									
								164.65-165.4 Basalt, dense, laths of kaolinite, oval shaped amygdales.									
								165.4-167.4 Basalt, grey-green, very weathered.									
	167.4	169.5	2.1	1.9	90.5			167.4-169.15 Basalt, dense, irregularly shaped zeolite amygdales									
	169.5	172.6	3.1	2.9	93.5			169.15-170.4 Basalt, weathered.									5

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Project WARATAH T650

THE BROKEN HILL PROPRIETARY CO. LTD.

Drillhole N° WA 6

Sheet 2 of 3

DRILLING								DESCRIPTIVE LOG			INTERSECTION ANGLE LCA							
Core Size	From m	To	Intersected m	Recovered	% Recovery	From m	To	LITHOLOGY	MINERALISATION	Sample N°	Bedding	Veins		Other		Petrology etc	Box N°
								BASALT									
								170.4-171.5 Basalt, dense, coarse grained, thin calcite veins, iddingsite replacement.				42°			60°		
								171.5-178.2 Basalt, weathered, clayey amygdaloidal and vesicular.									
	172.6	175.0	2.4	2.4	100			172.8-173.75 Basalt, large 1cm ovoid calcite amygdales.									
								173.75-175.40 Basalt, smaller round amygdales.									
N								175.40-176.81 Basalt, amygdaloidal, clayey, weathered.									
Q								176.81-177.75 Basalt, dense, coarse grained, calcite veining.				25°					
	175.0	177.5	2.5	2.4	96			175.75-178.65 Basalt, amygdaloidal, weathered, clayey.									6
	177.5	180.5	3.0	3.0	100			178.65-177.85 Basalt, red oxide staining.									
								177.75-178.16 Basalt, mauve, weathered.									
								178.16-178.96 Basalt, grey, dense, coarse grained.									
	180.5	181.5	1.0	0.8	80			178.96-181.8 Basalt, red-brown, vesicular, weathered.									
	181.5	183.1	1.6	0.8	50			181.3-181.83 Basalt, grey, amygdaloidal.									
C	183.1	183.5	0.4	0.4	100			181.83-184.1 Basalt, amygdaloidal, weathered.									
O	183.5	184.1	0.6	0.3	100												7
R	184.1	186.5	2.4	2.3	95.8			184.1-185.8 Basalt, dense, calcite veins.				52°					
I								185.8-186.2 Basalt, red weathered.									
N	186.5	189.3	2.8	2.5	89.3			186.2-187.5 Basalt, grey, vesicular, black clay amygdales with a 52° flow.									
G	189.3	191.5	2.2	2.2	100			187.5-192.8 Basalt, dense.									8
	191.5	192.8	1.3	1.3	100												
	192.8	195.5	2.7	2.55	94.4			192.8-194.1 Basalt, red clayey weathered, calcite veins.				85°					
	195.5	198.1	2.6	2.6	100			194.1-199.1 Basalt, weathered, dense, calcite veins, becomes fresher and very dense.				35°					9
	198.1	201.0	2.9	2.9	100			199.1-201.1 Basalt, amygdaloidal, weathered, clayey.									
	201.0	204.5	3.5	2.45	70			201.1-204.8 Basalt, dense, calcite veining.									
	204.5	207.5	3.0	1.0	33.3			204.8-207.2 Basalt, dense, breccia fills, abundant calcite / chalcedony veining.									10
	207.5	208.8	1.3	1.1	84.6			fragments of vesicular and dense basalt.									
	208.8	209.8	1.0	0.45	45			207.2-209.25 Basalt, dense, feathery calcite veins.				60°			50°		
	209.8	212.9	3.1	3.1	100												
	212.9	216.0	3.1	3.1	100												
	216.0	219.1	3.1	2.9	93.5												11
	219.1	219.3	0.2	0.2	100	219.25	261.5	SHALE									
	219.3	220.5	1.2	1.2	100			219.25-220.41 Clay, pink pebbly, fragments of shale and clay 1-2mm in size.		BE 57027							
	220.5	222.5	2.0	2.0	100			220.41-221.6 Shale, grey		BE 57028	50°						
	222.5	223.2	0.7	0.7	100												
	223.2	224.9	1.7	1.55	91.2												

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Project WARATAH T650

THE BROKEN HILL PROPRIETARY CO. LTD.

Drillhole N° WA6

Sheet 3 of 3

DRILLING								DESCRIPTIVE LOG			INTERSECTION ANGLE LCA						
Core Size	From m	To	Inter-sected m	Recov-ered	% Recovery	From m	To	LITHOLOGY	MINERALISATION	Sample N°	Bedding	Veins		Other	Exact.	Petrology etc.	Box N°
	224.9	226.1	1.2	0.6	50					DE 5078							12
	226.1	227.0	0.9	0.6	66.7												
	227.0	228.1	1.1	0.75	68.2												
	228.1	230.3	2.2	0.45	20.5												
	230.3	231.6	1.3	1.1	84.6												
	231.6	232.6	1.0	1.0	100			231.6-232.3 Black shale,		DE 5080	38°						
	232.6	233.6	1.0	1.0	100			232.3-232.6 Black shale, brown clayey zone.									
								232.6-233.3 Black shale.									
								233.3-233.6 Black shale, brown clayey zone.									
	233.6	235.7	2.1	1.6	76.2			233.6-235.7 Black shale,			40°						
	235.7	237.4	1.7	1.5	88.2			235.7-237.0 Black shale, bedding steepens.		DE 5081	48°						13
								237.0-237.4 Black shale, clay zone									
	237.4	239.7	2.3	2.3	100			237.0-239.0 Black shale,			30°				70°		
	239.7	240.2	0.5	0.4	80			239.0-239.7 Black shale, clay zone.		DE 5082							
	240.2	241.4	1.2	1.05	87.5												
	241.4	244.1	2.7	2.7	100			241.7-242.4 Black shale, sandy, sericite, microfaulting.		DE 5083	50°						
	244.1	246.0	1.9	1.75	92.1			242.4-244.0 Black shale, microfaulting, bedding more massive.			38°						14
	246.0	247.4	1.4	1.4	100			244.0-252.44 Black shale, steeper bedding.		DE 5084	80°						
	247.4	248.3	0.9	0.9	100												
	248.3	249.3	1.0	0.8	80												
	249.3	251.5	2.2	2.2	100												
	251.5	251.9	0.4	0.4	100												
	251.9	252.6	0.7	0.5	71.4			252.44-252.6 Black shale, very fractured and faulted		DE 5085							
	252.6	254.0	1.4	1.25	89.3			252.6-253.0 Black shale, very black, bedding			30°				80°		
	254.0	254.7	0.7	0.7	100			253.0-[illegible] Black shale,									15
	254.7	256.6	1.9	1.80	94.7												
	256.6	258.5	1.9	1.75	92.1					DE 5086							
	258.5	259.6	1.1	1.1	100			258.67-259.5 Black shale, siliceous sandstone beds and carbonate veining.									
	259.6	261.5	1.9	1.9	100			259.5-261.5 Black shale, mixed up zone, siliceous sandstone		DE 5087							
								E.O.H. 261.5m									

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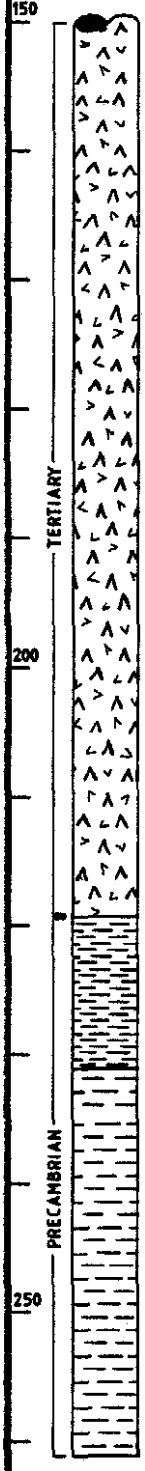
R.L. 640 m



Basalt, grey, medium grainsize, approximately 15 flows below 140·0 metres, average thickness 5·3 metres.

Shale, grey, laminated

Shale, black, microfaulting and folding. Siliceous sandstone interbeds with minor carbonate veining.

Sample No.	Interval		Cu	Pb	Zn	Ag	As	Sn	W
BE 5087	219·25	220·41	25	25	40	-	50	-	14
BE 5088	220·41	225·15	30	25	30	-	-	-	-
BE 5089	225·15	231·60	25	25	30	-	-	-	-
BE 5090	231·60	235·70	40	30	20	-	-	-	-
BE 5091	235·70	239·70	30	25	55	-	-	-	-
BE 5092	239·70	241·70	30	30	135	-	-	-	-
BE 5093	241·70	246·0	25	30	75	-	-	3	-
BE 5094	246·0	252·44	30	25	55	-	-	-	-
BE 5095	252·44	256·60	30	15	50	-	-	-	-
BE 5096	256·60	259·50	45	30	75	-	-	-	-
BE 5097	259·50	261·00	40	25	85	-	-	-	-

TD 261·0 metres

Vertical scale 1:500

5 cm

Centre HOBART

Date 6/5/83

THE BROKEN HILL PROPRIETARY CO. LTD.

DRILL HOLE WA 6 (ANOMALY F)

GRAPHIC LOG AND GEOCHEMISTRY RESULTS

Project No. T650

Drawing No.