020

469021

BROKEN HILL PROPRIETARY CO. LTD.

DRILL LOG HEADER SHEET

Project: TIN, TASMANIA
Prospect: WYNYARD T640
Local Grid co-ords. 383000
AMG co-ords CQ 830238 5423800
Drilling Co: OVERLAND DRILLING Co.
Drill type: WARMAN 250
Driller: W. EVERSDEN
R. WADDLE

Hole No: WY.2.
Total depth: 313.0m
Bearing:
Depression VERTICAL
R.L. Collar:
Commenced: 29/1/83
Completed: 11/2/83
Logged by: S.P. KERBER
Sampled by: S.P. KERBER

Hole Size		From	To	Total
Non-core	HQ	0	90	90
Core	NQ	90	198	108
	BQ	198	313	115
Casing				
Casing left.				

Core storage:	SCAMANDER
No. of trays.	28 CORE 1 CHIP
Sample storage	ANALABS - Cooee
Geochem. Lab.	ANALABS
Analytical reports	
Min. and Pet Lab.	M.R.L.
Min and Pet report	

Hole Survey Data: Susceptibility - 2m intervals.

Geochemistry - BE 5032 - BE 5041

Petrology - WY2-1

Summary Log:

TERTIARY
0 - 114.05 Basalt
114.05 - 126.64 Mudstone
126.64 - 277.4 Basalt
277.4 - 283.8 Siltstone / clay.

CAMBRIAN
283.8 - 290.1 Chert
290.1 - 313.0 Shale.

E.O.H. 313.0m

Comments:

Project WYNYARD T640

THE BROKEN HILL PROPRIETARY CO. LTD.

Drillhole No. WY2.

Sheet 1 of 5

DRILLING						DESCRIPTIVE LOG										
										INTERSECTION ANGLE LCA						
Core Size	From m	To	Intersected m	Recovered	% Recovery	From m	To	LITHOLOGY	MINERALISATION	Sample No.	Bedding	Veins		Other Controls	Fractures	Petrology etc.	Box No.
NOM CORING						0	6.0	SOIL brown clay and weathered basalt chips.									
						6.0	8.0	CLAY white, puggy with coarse grey basalt chips.									
						8.0	14.0	CLAY light grey brown with small round basalt									
						14.0	26.0	CLAY grey, with fresh grey basalt chips.									
						26.0	90.0	BASALT grey chips, minor zeolite.									
						90.0	114.05	BASALT grey medium grained.									
	90.0	93.3	3.3	3.0	90.9			90.0-90.8 Basalt, amygdaloidal calcite and zeolite filling vugs.									1
								90.8-92.88 Basalt, dense, abundant 2mm diviv phenocrysts.									
	93.3	96.4	3.1	3.1	100			92.88-95.48 Basalt, amygdaloidal, abundant zeolites									
	96.4	99.5	3.1	2.95	95.2			95.48-98.35 Basalt, dense 2mm amygdales filled by green clay.									2
	99.5	102.5	3.0	2.91	97			98.35-100.5 Basalt, amygdaloidal zeolites abundant.									
	102.5	103.8	1.3	1.3	100			100.5-104.6 Basalt, dense minor 1mm veinlet trains.									
	103.8	105.5	1.7	1.7	100			104.6-105.3 Basalt, amygdaloidal zeolites, minor serpentine									3
	105.5	108.5	3.0	3.0	100			105.3-108.08 Basalt, dense, serpentine on fracture faces.									
	108.5	111.5	3.0	2.98	99.3			108.08-109.04 Basalt, amygdaloidal minor zeolites, mostly serpentine black clay mineral.									
								109.04-109.94 Basalt, dense.									
								109.94-111.0 Basalt, amygdaloidal, clay fillings.									
	111.5	114.5	3.0	2.8	93.3			111.0-113.3 Basalt, dense, sericite replacement.									4
								113.3-112.8 Sand, grey, coarse grained, silty, fracture fill, basalt fragments.									
CORING								112.8-114.05 Basalt, dense.	Py on fracture face.								
						114.05	126.67	MUDSTONE grey brown, fine grained, sandy beds.									
								114.05-114.25 Sand, silt, medium grained, minor plant and wood fragments.									
	114.5	117.5	3.0	2.0	66.6			114.25-118.59 Sand, silty, white, fine grained, unconsolidated, wood fragments, sericite.									
NQ	117.5	117.7	0.2	0.2	100			118.59-120.5 Silt, light brown, very fine no wood fragments.									
	117.7	120.5	2.8	2.64	94.3			120.5-126.67 Mudstone, light brown, abundant sericite flakes.									5
	120.5	123.5	3.0	3.05	100												
	123.5	126.5	3.0	2.8	93.3												
						126.67	127.7	BASALT grey, medium grained, numerous thin sections of interflow sediments.									
	126.5	128.6	2.1	2.1	100			126.67-127.2 Basalt, dark grey-green, medium grained, contact with mudstone 63°	Py on contact face.				63°				6
								2mm rounded vesicles, 35cm mudstone, sand layer.									
								127.2-127.7 Basalt, grey-green, 1cm sandy beds.									

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Drillhole N° WY 2

Sheet 2 of 5

DRILLING								DESCRIPTIVE LOG			INTERSECTION ANGLE LCA					Petrology etc	Box N°
Core size	From m	To	Inter-sected m	Recov-ered	% Recovery	From m	To	LITHOLOGY	MINERALISATION	Sample N°	Bedding	Veins		Other			
								127.7-128.05 Mudstone, light grey, sandy in part.									
	128.6	130.9	2.3	2.3	100			128.05-128.82 Sand, light brown, coarse grained, unconsolidated, clay fragments, minor wood, very fragmented at basalt contact.						contact 40°			
								128.82-129.18 Basalt, dark grey green, dense.	Py on fracture faces.								
								129.18-130.3 Mudstone, light brown, quartz sands, coarse grained.									
								130.3-130.6 Basalt, dense, ½ mm vesicles.									
	130.9	134.0	3.1	2.9	93.5			130.6-131.78 Mudstone, sandy									
								131.78-132.23 Sand, silty, fine grained, abundant sericite									
								132.23-132.77 Sand, coarse grained									
								132.77-133.62 Basalt, dense, green phenocrysts of pyroxene / olivine, calcite veining	Py on fracture faces					57° fractures			
								133.62-137.62 Sand, grey, coarse grained.						contact 48°			
								129.62-132.97 Basalt, calcite veining, dense.	Py disseminated.			40°					
								132.97-134.03 Sand, grey, very coarse.									
CORING	134.0	137.1	3.1	3.0	96.8			134.03-135.6 Basalt, dense, calcite on fracture faces, 1-2mm phenocrysts of olivine				2°		2° fractures			7
								135.6-136.23 Sand, grey, very coarse									
	137.1	140.2	3.1	2.92	94.2			136.23-142.7 Silt, grey, wood layers common 0° to core.									
	140.2	143.3	3.1	3.1	100			142.7-143.28 Silt, silty, black, carbonaceous.									8
	143.3	144.4	1.1	1.1	100			143.28-147.6 Basalt, calcite amygdules olivine ¥3° flow, dense.	Py on contact.					contact 54°			
	144.4	146.2	1.8	1.7	94.4												
	146.2	148.0	1.8	1.45	80.5			147.6-148.5 Shale, black, carbonaceous.						contact 34°			
	148.0	150.5	2.5	1.98	79.2			148.5-150.0 Basalt, amygdaloidal, iddingsite, weathered.									9
	150.5	153.5	3.0	3.0	100			150.0-154.72 Basalt, vesicular, elongated and flow 34° to core.									
	153.5	156.5	3.0	3.0	100			154.72-155.62 Basalt, dense, zeolites abundant									
NQ								155.62-156.9 Basalt, vesicular, vugs rounded.									
	156.5	159.5	3.0	3.0	100			156.9-157.6 Basalt, slightly dense									10
								157.6-158.7 Basalt, vesicular,									
	159.5	161.6	2.1	2.1	100			158.7-160.42 Basalt, dense									
								160.42-161.2 Basalt, vesicular									
								161.2-161.4 Basalt, dense									
								161.4-161.6 Basalt, vesicular									
	161.6	162.0	0.4	0.27	67.5			161.6-162.0 Basalt, amygdaloidal, clayey.									
	162.0	164.0	2.0	2.0	100			162.0-164.3 Basalt, vesicular, weathered.									
	164.0	167.1	3.1	3.1	100			164.3-164.5 Basalt, dense									11
								164.5-164.93 Basalt, very dense. calcite, chalcedony veins.									
								164.93-165.48 Basalt, vesicular. vugs flow at 30° to core.									

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Project WYNYARD T640

THE BROKEN HILL PROPRIETARY CO. LTD.

Drillhole No. WY 2.

Sheet 2 of 5

DRILLING								DESCRIPTIVE LOG			INTERSECTION ANGLE LCA						
Core Size	From m	To	Intersected m	Recovered	% Recovery	From m	To	LITHOLOGY	MINERALISATION	Sample No.	Bedding	Veins		Other Contact	Other Fract.	Petrology etc.	Box No.
								BASALT									
								165.68-166.63 Basalt, dense									
								166.63-167.1 Basalt, vesicular									
	167.1	170.2	3.1	3.1	100			167.1-168.7 Basalt, weathered, clayey.									
								168.7-169.53 Basalt, dense,									
	170.2	173.3	3.1	3.05	98.3			169.53-173.18 Basalt, vesicular, zeolites common									12
	173.3	176.4	3.1	3.1	100			173.18-177.65 Basalt, dense, coarse grained, zeolites, flow dubbed by ~clear 45° to core.									
	176.4	179.4	3.0	3.0	100			177.65-179.8 Basalt, vesicular, clayey									13
CORING	179.4	182.4	3.0	2.65	88.3			179.4-181.65 Basalt, dense, very fine grained, calcite veining				67°					
	182.4	184.7	2.3	2.25	97.8			181.65-182.9 Basalt, becoming vesicular gradually.									
								182.9-184.1 Basalt, dense									
	184.7	187.6	2.9	2.9	100			184.1-185.2 Basalt, vesicular									
								185.2-185.62 Basalt, clayey, weathered, infill fragments.									
								185.62-186.92 Silt, sandy, white, fine grained									14
NQ								186.92-186.22 Basalt / Sand vertical contact.									
								186.22-186.92 Basalt, dense									
								186.92-187.14 Infill, fracture fill, clay, basalt fragments, coarse sands.									
	187.6	189.5	2.9	1.85	63.7			187.14-187.8 Basalt, weathered									
	189.5	192.5	3.0	3.0	100			187.8-192.43 Basalt, dense	Py is fracture - abundant						24°		15
	192.5	195.5	3.0	3.0	100			192.43-192.62 Basalt, amygdaloidal, zeolites and calcite	Py.								
								192.62-193.92 Basalt, dense	Py								
	195.5	198.0	2.5	2.5	100			193.92-197.38 Basalt, amygdaloidal. ½cm vugs. calcite, zeolite Y8° flow	Py								
								197.38-197.76 Basalt, clayey, chlorite alteration									
	198.0	201.0	3.0	3.0	100			197.76-198.58 Basalt, dense. iddingsite / boulingite replacing phenocrysts.									16
								198.58-198.73 Basalt, amygdaloidal, clayey, chlorite replacement.									
	201.0	202.2	1.2	1.2	100			198.73-202.2 Basalt, dense, iddingsite replacing olivine									
CORING	202.2	203.2	1.0	0.98	98			202.2-202.55 Basalt, amygdaloidal, calcite / zeolite.									
	203.2	204.5	1.3	1.2	92.3			202.55-204.3 Basalt, dense.	Py. disseminated								
	204.5	205.6	1.1	1.0	90.9			204.3-207.68 Basalt, weathered, sandy beds, grey-green clay.									
	205.6	205.8	1.2	0.14	70												
BQ	205.8	207.5	1.7	1.7	100												17
	207.5	209.9	2.4	2.0	83.3			207.68-222.8 Basalt, dense. Few amygdales, zeolites, green clay.	Py, fracture faces.								
	209.9	213.0	3.1	2.9	93.5												
	213.0	215.6	2.6	2.0	76.9												
	215.6	218.6	3.0	3.0	100												18

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Project WYNYARD T640

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Drillhole No. WY 2.

Sheet 4 of 5

DRILLING								DESCRIPTIVE LOG			INTERSECTION ANGLE LCA					
Core Size	From m	To	Intersect m	Recovered	% Recovery	From m	To	LITHOLOGY	MINERALISATION	Sample No.	Bedding	Veins	Other CONT.	Other PERP.	Petrology etc.	Box No.
	218.6	221.7	3.1	3.1	100			BASALT								
	221.7	224.1	2.4	2.4	100			223.8-224.9 Basalt, amygdaloidal, clayey	Py in amygdales and fractures							
	224.1	224.5	1.4	1.36	97.1											
	224.5	225.5	1.0	1.0	100			224.9-225.4 Basalt, dense								
	225.5	227.5	2.0	1.93	96			225.4-226.93 Basalt, coarse grained, dense	Py veining			90°				
								226.93-227.92 Mudstone, grey	Py, fracture faces.				2°	71°		
	227.5	228.0	0.5	0.5	100			227.92-228.55 Basalt, dense, coarse pyrite	Py disseminated, abundant.							19
	228.0	230.8	2.8	2.8	100			228.55-229.0 Siltstone, grey to white, veining abundant, uneven basal contact.					70°			
								229.0-230.28 Basalt, dense.								
	230.8	232.7	1.9	1.9	100			230.28-232.04 Silcrete, white, quartz and feldspar pebbles lower down, clayey	Py disem and on fractures.				26°			
								232.04-232.27 Basalt, dense, 1mm vesicles, zeolite and calcite in vugs.								
	232.7	232.8	0.1	0.1	100			232.27-232.46 Silcrete, white, coarse angular fragments, clayey						77°		
	232.8	234.3	1.5	1.5	100			232.46-233.24 Basalt, dense								
								233.24-233.5 Infill, fragmented silcrete and basalt.								
								233.5-234.1 Basalt, dense								
	234.3	236.5	2.2	2.2	100			234.1-235.27 Silcrete, pebbly in part.					27°			
								235.27-236.24 Basalt, dense 1mm zeolitic, fresh phenocrysts.	py disseminated, coarse			py 20°	2°	40°		
C	236.5	239.5	3.0	3.0	100			236.24-239.2 Silcrete, siltstone, last 10cm fragmented and pebbly.					0°			20
N	239.5	241.0	1.1	1.05	95.5			239.2-241.0 Basalt, dense, clayey	py on fractures, abundant.							
1	241.0	241.8	0.4	0.3	75			241.0-242.78 Siltstone, grey.								
R	241.8	243.5	1.7	1.7	100			242.78-244.7 Basalt, dense, black, coarse grained, clay filled fractures.						33°		
C	243.5	245.4	1.9	1.9	100											
O	245.4	246.2	0.8	0.72	90											
R	246.2	246.6	0.4	0.4	100											21
B	246.6	248.0	1.4	0.7	50			246.7-247.4 Basalt, weathered, clayey								
Q	248.0	248.5	0.5	0.47	94			247.4-247.4 Basalt, clayey, fractured, dense.	Py very coarse abundant.							
	248.5	250.0	1.5	1.5	100											
	250.0	251.0	2.2	2.0	90.9											
	251.0	252.9	0.7	0.7	100											
	252.9	255.5	2.6	2.55	98											
	255.5	256.3	0.8	0.8	100											22
	256.3	258.5	2.2	2.18	99											
	258.5	260.1	1.6	1.58	98.7											
	260.1	261.8	1.7	1.72	100											
	261.8	263.6	1.8	1.65	91.7											

Project WYNYARD T640

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Drillhole N° WY.2

Sheet 5 of 5

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 CONTACT	FRACT	Petrology etc	Box N°
	263.6	266.2	2.6	2.61	100												23
	266.2	266.7	0.5	0.5	100												
	266.7	268.1	1.4	1.4	100												
	268.1	270.0	1.9	1.84	96.8												
	270.0	272.0	2.0	2.0	100												
	272.0	273.3	1.3	1.3	100												
	273.3	275.4	2.1	2.1	100												24
	275.4	275.9	0.5	0.5	100												
	275.9	277.3	1.4	1.4	100												
	277.3	279.1	1.8	1.0	55.6	277.4	283.8	TERTIARY SILCRETE/CLAY.									
	279.1	280.1	1.0	1.0	100			277.4-280.15 Silcrete, white heavily veined.		DE 5032		58°					
	280.1	280.6	0.5	0.25	50			280.15-282.5 Silcrete/chert dark grey.	py	DE 5033							
	280.6	281.5	0.9	0.25	27.7												
	281.5	282.0	0.5	0.35	70												
C	282.0	282.5	0.5	0.3	60												
O	282.5	284.0	1.5	1.5	100			282.5-283.8 Clay. Blue-grey, pebbles 1-2mm, silcrete, chert.		DE 5034							25
R						283.8	290.1	CHERT									
E	284.0	285.2	1.2	0.5	41.6			283.8-290.1 Chert, grey white banding, microfaulting, numerous veins, brecciated,		DE 5035							
	285.2	286.4	1.2	1.1	91.7			quartz veins, stockwork, iron staining.									
	286.4	287.9	1.5	1.45	96.7												
	287.9	288.5	0.6	0.4	66.6					DE 5036						WY.2-288.1m	
B	288.5	289.2	0.7	0.7	100											Argillaceous chert.	
	289.2	289.8	0.6	0.6	100												
	289.8	290.2	0.4	0.4	100	290.1	313.0	SHALE									
	290.2	293.3	3.1	3.1	100			290.1-294.3 Shale, red-brown.		DE 5037	70°				37°,70°		
	293.3	296.0	2.7	2.7	100			294.3-297.8 Shale, pale green " "		DE 5038							
	296.0	297.5	1.5	1.5	100			297.8-313.0 Shale, red-brown.		DE 5039							
	297.5	299.1	1.6	1.55	96.8						68°						
	299.1	302.2	3.1	3.1	100												
	302.2	304.3	2.1	2.0	95.2					DE 5040							
	304.3	305.0	0.7	0.6	85.7												
	305.0	306.0	1.0	1.0	100												
	306.0	307.0	1.0	0.85	85												
	307.0	308.7	1.7	1.06	62.4			E.O.H. 313.0m		DE 5041							
	307	310	1.4	1.35	96.4												

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