

034

80 036

THE BROKEN HILL PTY. CO. LTD.

PROJECT WELD RIVER

DRILL HOLE WD3

LOCATION GLOVER'S BLUFF

CO-ORDINATES - LOCAL

1698 - N / 1135 - E / 4.251.7

- A.M.G.

ANGLE OF DEPRESSION

45°

BEARING (MAG)

60°

DILLING CO

WALKER DRILLING

DRILLER

A. WALKER

DRILL TYPE

DATE COMMENCED

15/5/80

COMPLETED

CORE INTERVAL (METRES)	GEOLOGICAL LOG & COMMENTS	INTERVAL (METRES)	ASSAY		
			SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	LOI
0 - 0.93	Broken quartzite & topsoil	0 - 0.93	NO	SAMPLE	
0.93 - 5.30	Fine grained, relatively soft, weathered quartzite. Brown stained uniformly to near black at 5.30 -	0.93 - 3.93	98.4	0.71	0.12
	fractured & reconstituted with quartz veinlets.	3.93 - 5.30	97.24	0.99	0.14
5.30 - 8.30	Fine grained, hard white quartzite with minor iron staining on fracture.	5.30 - 8.30	97.6	1.66	0.09
		8.30 - 9.30	97.8	1.29	0.17
		9.30 - 12.30	98.2	1.10	0.13
9.30 - 12.30	Flaked, fine grained white quartzite - minor quartz stringers - peculiar (conglomerate?) weathered patch at approx 16.90 - medium grained zone at 14.10	12.30 - 15.30	98.0	1.40	0.15
		15.30 - 18.30	98.0	1.10	0.24
12.30 - 18.55	As above but more fractured - mainly shears on bedding with iron staining - possibly brecciated & reconstituted zones at 18.55 to 18.65 & 20.00 to 20.12	18.30 - 20.63	98.2	0.91	0.23
18.55 - 20.63	Fine grained, hard white quartzite				
20.63 - 21.13	Intergrade of quartzite to shale and silty clay beds - major zone at 21.03 to 21.12 - hard massive part of	20.63 - 21.13	94.5	1.10	0.24
21.13 - 21.13	Fine grained, hard, white quartzite	21.13 - 21.13		0.90	0.22

035

80 037

THE BROKEN HILL PTY. CO. LTD.

PROJECT

DRILL HOLE W03

LOCATION

CO-ORDINATES - LOCAL

- A.M.G.

ANGLE OF DEPRESSION

BEARING (MAG)

DRILLING CO.

DRILLER

DRILL TYPE

DATE COMMENCED

COMPLETED

BORE INTERVAL (METRES)	GEOLOGICAL LOG & COMMENTS	INTERVAL (METRES)	ASSAY		
			SiO <sub>2</sub>	A/2O <sub>3</sub>	LOI
22.71 - 22.91	Fractured zone with quartz veinlets and minor clay.				
22.91 - 26.97	Alternating fine & medium grained beds of hard, white quartzite - fractured zone from from 26.00 to 26.30 with quartz veinlets - Minor fracturing on bedding from 26.30 to 26.87	22.91 - 25.91	98.4	0.79	0.22
26.87 - 28.96	Predominantly medium grained zone of hard, white quartzite 0.5m bed of clayey siltstone at 27.63.	25.91 - 28.91	98.4	0.96	0.29
28.96 - 29.35	Fractured & recemented zone with quartz veinlets and greyish coloration randomly oriented.	28.91 - 31.91	97.7	1.01	0.58
29.35 - 32.10	Fine to medium grained, white quartzite - minor fracturing on bedding with minor clay on fractures				
32.10 - 32.87	Fine grained, hard, white quartzite with iron staining on bedding & fractures	31.91 - 34.91	98.2	0.83	0.25
32.87 - 35.90	As above but with less iron staining - fractured zone from 34.93 to 35.13 where quartz veins cross bedding of more impure quartzite bed.	34.91 - 35.90	98.1	1.09	0.40
35.90 - 38.23	Predominantly hard, fine grained quartzite with very				

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PROJECT

DRILL HOLE WD3

LOCATION

CO-ORDINATES - LOCAL

- A.M.G.

ANGLE OF DEPRESSION

BEARING (MAG)

DRILLING CO.

DRILLER

DRILL TYPE

DATE COMMENCED

COMPLETED

BURE INTERVAL (METRES)	GEOLOGICAL LOG & COMMENTS	INTERVAL (METRES)	ASSAY		
			SiO <sub>2</sub>	A/2O <sub>3</sub>	LOI
35.90 to 38.23 (continued)	small faults and fine beds of clayey nature showing bedding slip from stain at 38.23	35.90 - 38.23	97.7	1.61	0.28
38.23 - 46.80	Fine grained hard, white, massive quartzite - minor fractures on bedding mostly above very fine silty beds are located	38.23 - 41.23	97.7	1.31	0.28
		41.23 - 44.23	98.2	0.98	0.24
		44.23 - 46.80	98.3	0.93	0.20
46.80 - 46.95	Coarse grained, softer, more weathered quartzite bed.	46.80 - 49.80	98.1	1.34	0.26
46.95 - 47.70	Fine grained, hard quartzite with many fractures on bedding.				
47.70 - 48.60	Fine grained well cemented, hard white quartzite.				
48.60 - 50.53	As for the interval 46.95 to 47.70 - core has brownish translucent appearance when wet.	49.80 - 52.80	97.6	1.59	0.23
50.53 - 53.43	Fine grained, hard quartzite with small beds of cream coloured in pure quartzite, - largest approx 2 cm thick with with brown l. - fractured on bedding between	50.53 - 53.43	97.7	1.44	0.33
53.43 - 56.33	Preconia th bed grained well	53.43 - 56.33	97.7	1.31	0.29
		56.33 - 59.43	97.8	1.09	0.37
	massive fine fractured are so little coloration or staining - more common around some	59.43 - 62		1.16	0.51

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ANGLE OF DEPRESSION

BEARING (MAG)

DRILLING CO.

DRILLER

DRILL TYPE

DATE COMMENCED

COMPLETED

BORE INTERVAL (METRES)	GEOLOGICAL LOG & COMMENTS	ASSAY			
		INTERVAL (METRES)	SiO <sub>2</sub>	A/2O <sub>3</sub>	LOI
62.52 - 63.07	Broken, fine grained, white quartzite with green/white clay on fractures.	62.43 - 63.07	98.0	1.06	0.46
63.07 - 63.55	Fine grained, hard, white quartzite with quartz veins.				
63.55 - 63.84	Very broken quartzite as above - minor clay on breaks.	63.07 - 64.24	98.7	0.11	0.26
63.84 - 64.24	As above but less broken.	64.24 - 67.24	98.7	1.00	0.22
64.24 - 66.12	Fine grained, very hard, well cemented white quartzite with quartz veins.				
66.12 - 66.37	As above but broken core.				
66.37 - 68.27	Predominantly pure white quartzite - fractured zones at 66.82 & 68.20 - slightly coarser grained from 67.37 to 68.20 - some shearing on bedding with				
	impure band of quartzite at 67.47.	67.24 - 70.22	98.8	0.94	0.18
68.27 - 70.22	Fine grained, hard, well cemented white quartzite with minor shearing on bedding - Hole deflected at 70.22 - could not core cut - abandoned at 70.22 E.O.H.				