THE BROKEN HILL PROPRIETARY CO. LTD.

Project E.L. 10/80 GREAT PYRAMID

Drillhole No° BPD 5 801137

Sheet 1 of 2 00·0 – 50·3m

METRES	DRILL RUN METRES RECOV.	DRILL RUN % RECOV.	RQD	DESCRIPTION	VISUAL LOG	ANGLE BEDDING TO LCA	SAMPLE NUMBER	SAMPLE FROM	SAMPLE TO	SAMPLE INTVL.	MINERALISATION FRAC. DENSITY (per m)	% FRACT. MINERAL	VEIN WIDTH mm RANGE	VEIN WIDTH mm AV.	ANG. TO LCA	% BLK ROCK MIN.	VEIN MINERALOGY CASSIT.	WOLF.	QTZ.	MUSC.	SULPH.	CARB.		WALL ROCK ALTERN.	ASSAYS Sn(%)	ASSAYS W(%)	SLUDGES INT^VL	SLUDGES No. BJ	SLUDGES ASSAY Sn%	
1·30	1·24	95·4	33	Grey qt locally graded to sst ≤ 1-1·5m intb of fawn, locally Fe stnd. sh. Qtz locally brecta as at 1·40m	△△△△		BJ 239	0·0	2·0	2·0 sc	98	75	4 – 4	1	30 – 40	1-2	✓	X	✓	✓	X	X	lim.	Silcfn. Local Fe stng of sst	0·41	—	0·5 to 3·5	BJ 287	0·38	Fracs in sh. tend to be v. tight of qt.
1·70	1·66	97·6	33	Fracturing generally regular although locally disrupted.																										
1·50	1·50	100·0	31	F.I. generally > 80, fractures in sh. more irregular, less well developed. Rare blk qtz vnlts x cut mintzd. fracs generally 55° to L.C.A. Fracturing in qtz more disrupted at base of interval. So generally poorly developed.		39	BJ 240	2·0	4·0	2·0															0·13					
1·50	1·44	96·0	66	Abdt spotting on qtz, small <1-1mm white accasionly Fe stnd.			BJ 241	4·0	6·0	2·0 sh	99	50	<1-3	<1	variable 20-50	1	X	X	rare	X	X	X	lim.	Local Silcfn Fe stng	0·24		3·5 to 6·5	BJ 288	0·18	
0·25	0·25	95·5	0°																						0·04					
0·80	0·38	76·0	0°																											
0·60	0·58	96·7	0°																											
0·855	0·51	103·6	226°																											
0·40	0·40	100·0	0°																											
1·35	1·25	92·6	35			44	BJ 242	6·0	8·0	2·0																				
0·85	0·82	96·5					BJ 243	8·0	10·0	2·0 sst	85	60	<1-3	1	35	1-2	x	x	✓	x	x	x	kaol Lim Abdt	Silcfn halos v local Fe stng.	0·08		6·5 to 8·7	BJ 289	0·28	
1·20	1·17	97·5	55	Cont. qtz/sst ≤ thin strgrs. of grey-brn. sh. Fracturing erratic in distribution and orientation. Local brecc" Minor brecc" within larger fracs. So indeterminable. Fracs/vnlts slightly warped 11·85m.	△△△△																										
1·30	0·30	100·0	0°																											
1·60	1·50	93·8	31				BJ 244	10·0	12·0	2·0	105	75	<1-3	1	varible 30-50	1-2 Locally 3+	✓tr	x	✓	x	x	✓	kaol. lim		0·21					
2·15	2·10	97·7	54				BJ 245	12·0	14·8	2·8	70	70	<1-2	1	28-41	<1	x	x	✓	x	x	x	lim	Silcfn halees Fe halees	0·11		No Water Return		—	
2·95	2·96	100·3	78	Brecta qtz/sst ≤ ibds. of gn/grey sh, locally severly Fe stnd, locally chltzd. Way up ↑↑ Generally poorly fractured. Local offsetting of earlier qtz. vnlts. by later mintzd. fracs. Poss. qtz-chl matrix bln qtz frags. Brecta zones vary from 5-10cm in length usually developed sub ||L to ||L with dominent fracturing.	△△△△		BJ 246	14·8	16·8	2·0															0·05					
							BJ 247	16·8	18·8	2·0	45	80	<1-2	1	30	<1	x	x	✓	x	x	x	lim kaol.	abdt Fe stng	0·05					
3·05	3·02	99·0	61		△△△△	33	BJ 248	18·8	20·8	2·0															0·05		18 to 21·5	BJ 290	540	
2·25	2·23	99·1	67	Sh locally silty Flames structures ↑↑, fold So ↑↑ Local strgrs of qtz. very low ¢ (<20) to LCA.		0 12	BJ 249	20·8	23·7	2·9	63	70	<1-2	1	35-55	<1	x	x	✓	x	x	x	lim kaol.	Fe halees	0·03		21·5 to 26	BJ 291	440	Fe alth. halees very obvious in silty units.
2·60	2·49	95·8	84	Grey sh. locally grdng. to slst. Evidence for abdl. soft sedt. deform. Way up ↑↑ (grad. So) So firstly developed = sh. F.I. g = 40. Anastom. feldspathic (?) vnlths. local occurrences.		13	BJ 250	23·7	25·7	2·0															0·02					
1·15	1·19	103·5	71				BJ 251	25·7	28·2	2·5	30-35 rarely So°	40	v. rare <1·5	<1	highly variable 20-60	<1	x	x	✓rare	x	x	x	kaol	Fe halees	0·02		No Water Return		—	Minor displacement along some fracs.
1·60	1·53	95·6	59	Grey qt locally grdng to sst ≤ minor 10-30cm into beds of dark grey to bn. grey shale. At brecta at 28·2m (20cm zone) and 29·2m (10cm)																										
1·40	1·34	95·7	49			15	BJ 252	28·2	30·2	2·0															0·11					
0·85	0·83	97·7	65	Shaley units. locally slumped and brecta. Fracturing regular in qt but erratic in sh. So ||L to sub ||L to LCA. Way up ↑↑? (grdd. So) Steep (low ¢ to LCA) qt vnlts and stngrs cut by by later mintzd vnlts and fracs. minor disptnt brecc often accompanied by qtz infilling, locally limonitic.		13	BJ 253	30·7	32·2	2·0	78	70	<1-5	1	30-35	2-3	✓	X	✓	✓	X	X	lim kaol. Sc		0·05		30·4 to 33·5	BJ 292	0·12	
0·65	0·65	100·0	57																											
0·40	0·37	92·5	35																											
1·10	1·11	100·9	64			0	BJ 254	32·2	34·2	2·0															0·08		33·5 to 36·5	BJ 293	0·13	
3·00	3·01	100·3	66			10	BJ 255	34·2	36·2	2·0 sh	63	70	<1-4	1	30-45	1-2	x	x	✓	x	x	✓? remnant	lim kaol.	Local Fe stng	0·06					
0·60	0·60	100·0	30			15	BJ 256	36·2	38·2	2·0															0·04		36·5 to 39·5	BJ 294	0·12	
0·75	0·72	96·0	0								72	80	<1-5	1	35-45	1-2 (locally +4	x	x	✓	✓	x	✓? remnant	lim kaol	Silcfn Fe stng.						
0·75	0·79	105·3	30				BJ 257	38·2	40·4	2·2															0·07					
1·20	1·16	96·7	56																											
0·84	0·84	100·0	58																											
2·00	1·94	96·2	90	Grey sh/sst locally bedded and grdg to sst. Locally brecta and cut by irregular anastomose qt/carb. vnlts. Locally severely Fe stnd. Generally poorly fractured. F.I. appears to 4 in. sandier units. Evidence for soft sed. slumping and deforming.		20	BJ 258	40·4	42·4	2·0															0·03		38·5 to 42·5	BJ 295	855	
3·00	2·96	98·7	86			14	BJ 259	42·4	44·4	2·0 sst	42	60	<1-4	1	35-45	<1	✓	x	✓	✓	x	✓	lim	Silcfn Fe stng esp. sh.	0·02		42·5 to 45·5	BJ 296	805	
							BJ 260	44·4	47·2	2·8															0·04		45·5 to 48·5	BJ 297	510	
2·75	2·73	99·3	63	Fractured grey qt brecta. 54·5 and 58·1m Massive units and locally grading to sst. Two sets of fractures; dominant 30-40° and to LCA, secondary 60-70° to LCA. Secondary generally barren (qt limonitic) and predate mintzd. vnlts.			BJ 261	47·2	49·2	2·0													chl		0·02					
2·55	2·51	98·4	41				BJ 262	49·2	51·2	2·0	30-40	75	<1-3	1	30-40	1-2	X	X	✓	✓	PY	X	lim Sc	Silcfn (chltzn?)	0·04		48·5 to	BJ 298	530	Limit of depth of
0·20	0·11	55·0	0																											

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Project E.L.10 80 GREAT PYRAMID.

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Sheet 2 of 2 50.3–100.23m.

METRES	DRILL RUN METRES RECOV.	DRILL RUN % RECOV.	RQD	DESCRIPTION	VISUAL LOG	ANGLE BEDDING TO LCA	SAMPLE NUMBER	SAMPLE FROM	SAMPLE TO	SAMPLE INTVL.	MINERALISATION FRACT. DENSITY (per m)	MINERALISATION % FRACT. MINER.	MINERALISATION VEIN WIDTH mm RANGE	MINERALISATION VEIN WIDTH mm AV.	MINERALISATION ANGL TO LCA	MINERALISATION % BLK ROCK MIN.	MINERALISATION VEIN MINERALOGY CASSIT.	WOLF.	QTZ.	MUSC.	SULPH.			WALL ROCK ALTERN.	ASSAYS Sn (%)	ASSAYS W (%)	SLUDGES INT^M	SLUDGES No BJ	SLUDGES ASSAY Sn%	
3·00	2·98	99·3	65	Displt. of fractures rare. First sulphides evident Chlorite bearing vnlts becoming very obvious c ↑ depth. Fracturing very regular in orientation but erratic in distribution (F.T.) Fe stng of qt restricted to breccia zone			BJ 263	51·2	53·2	2·0														0·05		51·5			
											85–95	80	<1–5	1	32–46	2–3	√tr	x	✓	✓	py rare cpy	x				51·5 to 54·5	BJ 299	4·45
3·05	2·93	96·1	66				BJ 264	53·2	55·2	2·0														chl. sc lim. jar?	0·02					
							BJ 265	55·2	57·2	2·0															0·03		54·5 to 57·5	BJ 300	7·80 ·15%Cu
3·05	3·05	100·0	70				BJ 266	57·2	59·2	2·0	30–50	80	<1–4	1	30–35	<1	x	x	✓	x	py	x		chl. lim kaol. (trace)	0·21				
59·6							~~BJ 267~~	~~59·2~~	~~60·5~~	~~1·3~~															0·03		57·5 to 60·5	BJ 301	0·12 ·15%Cu
3·05	3·05	100·0	81	Brecld sst/slst. Locally sh. comprises 20–30 cm wide sh/slst beds, ± severely fractured, brec'td sst interspaced. Severely Fe stnd. and silcfn, locally gassanous. Sst chltzd at base of interval. Fracing very erratic.		22	BJ 268	60·5	62·5	2·0	30–60	65	<1–1	<1	30–70	2–3	x	x	✓	x	x		lim.	Severe Fe stng	0·04		60·5 to 63·5	BJ 302	7·40	Locally slumped Qt-Chl stngs occasionally plygmatic.
0·55	0·48	87·2	35				BJ 269	62·5	63·9	1·4															0·07					
1·15	1·33	115·7	74	Grey slst unit locally grading to sst or sh. Poorly bedded and fractured. Generally silcfd. Cut by steep vnlts and stngrs of qt and chl. Incipient chltzd of sst. Flames indicate ↑. Local brecciation at 68·1 – 68·4 m. Possible fault bounded unit. Fractured qt/sst ± very minor ibds of grey sh, locally severly fe stnd. Fracturing often intense leads to brecld appearance. Locally brecld at 71·3 – 78·5 m. Slumping common. Displacement of thin shaley units along fractures common. Generally only one dominant fracture orientation, although others, erratic, occur.			BJ 270	63·9	65·9	2·0															0·03		63·5 to 66·5	BJ 303	8·80	
1·65	1·35	81·8	85								10–25	80	<1–4	1	20–30	<1	x	x	✓	x	py sph?	x	Lim Chl	silcfn						
2·00	2·03	101·5	77			27	BJ 271	65·9	68·4	2·5															0·04		66·5 to 69·5	BJ 304	4·05	
1·00	1·01	101·0	57				BJ 272	68·4	70·4	2·0															0·06					
3·00	2·90	96·7	64				BJ 273	70·4	72·4	2·0	106	75	<1–2	1	30–35	1	x	x	✓	✓	x	x	Lim	silcfn	0·04		69·5 to 72·5	BJ 305	7·45	
3·00	2·94	98·0	80				BJ 274	72·4	74·4	2·0	70–90	80	<1–10	2	30–40	2–3	✓	x	✓	✓	py	x	jar Sc Lim	Silcfn	0·05		72·5 to 75·5	BJ 306	4·95	
0·08	0·07	116·0	0·0																											
2·95	*0·50	16·9	22	* 2·45m Core Loss			BJ 275	74·4	78·9	2·0															0·06		75·5 to 78·5	BJ 307	7·45 ·16%Cu	
1·65	1·54	93·3	73				BJ 276	78·9	80·1	1·2															0·12		78·5 to 80·17	BJ 308	0·17 ·16%Cu	
0·60	0·60	100·0	43	Inbedded qt and sh. severly slumped and contorted sh beds <1–4 cm wide, locally graded to sst, ↑ very irregular fractures, minor displacement of So along them. Lithologies possess small (<1mm) irregular pits. poss. after carb? S^2 partially oxidzd.		18	BJ 277	80·1	82·1	2·0	70–80 locally 90+	70–80	<1–7	1	highly variable 30–60 generally 35–40	3–5	1	x	✓	✓	py.cpy	sid ?	Lim FL ?	Silcfn	0·03		80·5 to 81·5	BJ 309	0·11	Minor chl in vnlts. Interval appearently well mineralized. So very irregular stng locally vuggy.
2·95	2·96	100·3	48				BJ 278	82·1	83·9	1·8															0·05					
3·05	3·07	100·7	68	Grey qt ± 50cm slst/sh inbedded at top of interval intensly fractured and mineralizing, locally brecld slumped. Qt locally chltzd and poorly bedded. Two dominant fractures orientation 30 & 40+ 70° to LCA. Shallow (10) barren pass. pre date 30–40		20	BJ 279	83·9	85·9	2·0	generally 80+	80–	<1–6	<1–1	40	3–5	✓	x	✓	✓	py cpy	sid ?*	Lim jar Sc	silcfn, patchy chl/zld	0·08		81·5 to 87·5	BJ 310	0·14 ·20%Cu	Approx total depth of oxidation.
1·80	1·72	95·6	55				BJ 280	85·9	88·3	2·4															0·08					
1·10	1·18	107·3	32	Inbedded sh/qt/sst very similar to 80–83·5m interval very irregular fractures locally well bedded flames ↑. So Locally 11C to LCA.		12–15	BJ 281	88·3	91·1	2·8	v. erratic 20–80	70	rare <1–5	<1	rare 20–70	2–3	x	x	✓	✓	py	x	Lim Sc	v. thin silcfn haloes	0·07		87·5 to 90·5	BJ 311	1·05 ·15%Cu	
2·10	2·01	95·7	41																											
2·08	2·05	98·6	73	Grey qt. well fractured, ± two very minor 10–16 cm sh beds. One dominant fracture orientation, mineralized, irregular qtz vnlts, barren at low (0–10°) to LCA date and post dated by mineralized vnlts. Main vnlt assblge.:– qt, chl. S^2, more common vnlts. Vnlts very regular in distribution and orientation, locally vuggy, rarely anastamose. Mu occurs often as selvedge on qt_3 vnlts.			BJ 282	91·1	93·1	2·0	86	80	<1–6	1	40–50	3–4	x	x	✓	✓	py cpy sph (tr)	sid.	chl jar		0·03		90·5 to 93·5	BJ 311	1·05 ·15%Cu	
3·00	3·04	101·3	71				BJ 283	93·1	95·1	2·0															0·02					
											79	85	4–7	1–2	40–50	3–4	✓	x	✓	✓	py, cpy. sph, opy.	sid	chl jar	Local Silcfn haloes. Fe stng	0·02		No Water Return		—	
2·00	1·92	96·0	58				BJ 284	95·1	97·1	2·0															0·04		96·5 to 100·23	BJ 312	7·80	Qt v. locally grading to sst.
0·45	0·41	91·1	73				BJ 285	97·1	99·1	2·0														silcfn rare Fe stng.	0·06					
1·05	1·06	100·9	100				BJ 286	99·1	100·23	1·13	80–100+	70–80	<1–7	<1–1	35–50	3–5	x	x	✓	✓	py, cpy, sph.	sid	chl		0·08					

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Sheet: 1 of 2

METRES VISUAL LOG M	% RECOV.	SAMPLE B/No	ASSAYS Sn %	W %	As %	Cu %	Pb %	Zn %	Ag p.p.m.	Mo p.p.m.	Sn in Sludge
	95	239									
	99	240									
	95	241									
	80 100	242									
	94	243									
10	99	244									
	96	245									
	100	246									
	100	247									
20	99	248									
	99	249									
	96	250									
	99	251									
	96	252									
	99 92	253									
	100	254									
	100	255									
	100	256									
	99	257									
	94	258									
	99	259									
	99	260									
	98	261									

NMGR

NMGR

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Sheet: 2 of 2

METRES VISUAL LOG	% RECOV.	SAMPLE N°	Sn %	W %	As %	Cu %	Pb %	Zn %	Ag p.p.m.	Mo p.p.m.	Sn in Sludge	BJ
50	=53=	262										298
	99	263										299
	98	264										300
	96	265										301
	100	266										
60		267										
	100	268										302
	100	269										
	100	270										303
	100	271										304
70	95	272										
	97	273										305
	98	274										
	17	275										306
												307
80	93	276										
	100	277										308
	100	278										
	100	279										309
	96	280										
90	100	281										310
	100											
	99	282										311
	100	283										
	100	284										N.W.R
	96	285										312
	91											
100	100	286										

Drilling Progress / Depth