REPORT

ON

GREAT PYRAMID TIN PROSPECT

UPPER SCAMANDER, EAST TASMANIA

1964-1965

W.S. Chesnut

Melbourne

June, 1965.

AMG REFERENCE POINTS ADDED

SUMMARY

An area of about two square miles was held under option to purchase from Messrs. L. Price and R. Palmer. The Company terminated the option at the end of the initial twelve months period on 1st June, 1965.

For most of the period an average of six persons, including a geologist and driller, was engaged on the project.

A plane table survey of the area was carried out together with some regional and local surface and underground geological mapping.

A ground magnetometer survey was carried out to define a known aeromagnetic anomaly.

An extensive series of drill hole access tracks were constructed by bulldozer, in places with use of explosives.

A single diamond drill hole, depressed at 45° was drilled to 798.3 feet to test ore development deep within the hill.

Twenty-six vertical percussion bores were drilled on the hill to test the open cut potential of mineralisation encountered in a series of old adits and shafts.

The assay results of the drilling confirmed the existing knowledge of the nature of the tin mineralisation - i.e. low grade mineralisation associated with generally strongly silicified sandstone beds of a shale/sandstone sequence, which appear to be dipping steeply.

Appraisal of the results indicates that the prospect has little potential for large scale open cut operations.

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A. - INTRODUCTION

This report covers the prospecting activities carried out at the old Great Pyramid Mine, near Upper Scamander on the East Coast of Tasmania, during 1964/1965.

The area was introduced to the Company by Mr. W. Manson of the Tasmanian Mines Department on behalf of a local prospector.

Activities were centred on the testing of the tin bearing potential of the old Great Pyramid Tin Mining Company's property and included:

(a) Plane table survey of the Pyramid hill, "picking up" the topography and all old workings.

(b) Geological mapping of outcrops and the walls of the old workings.

(c) Construction by bulldozer of an extensive series of roads for drill site access.

(d) Construction of small storage sheds at the old mine site.

(e) Ground magnetometer survey of the mine area and environs.

(f) A single diamond drill hole depressed at 45° was drilled to 798.3 ft. into the Pyramid Hill.

(g) A programme of 24 vertical percussion drill holes totalling 2815.6 ft. were drilled on the Pyramid Hill and a further two holes totalling 196 ft. were drilled on the ridge between the Pyramid and the Pinnacles.

The assay results of the drill hole cuttings indicated that relatively small low grade ore sections could probably be defined with further detailed prospecting.

The graphic log of the diamond drill hole and the assay sections of the percussion drill holes are attached to this report.

No ore reserves have been calculated since it is apparent that the prospect is not of economic proportions on present indications.

The recommendations listed are intended as a guide for any future prospecting.

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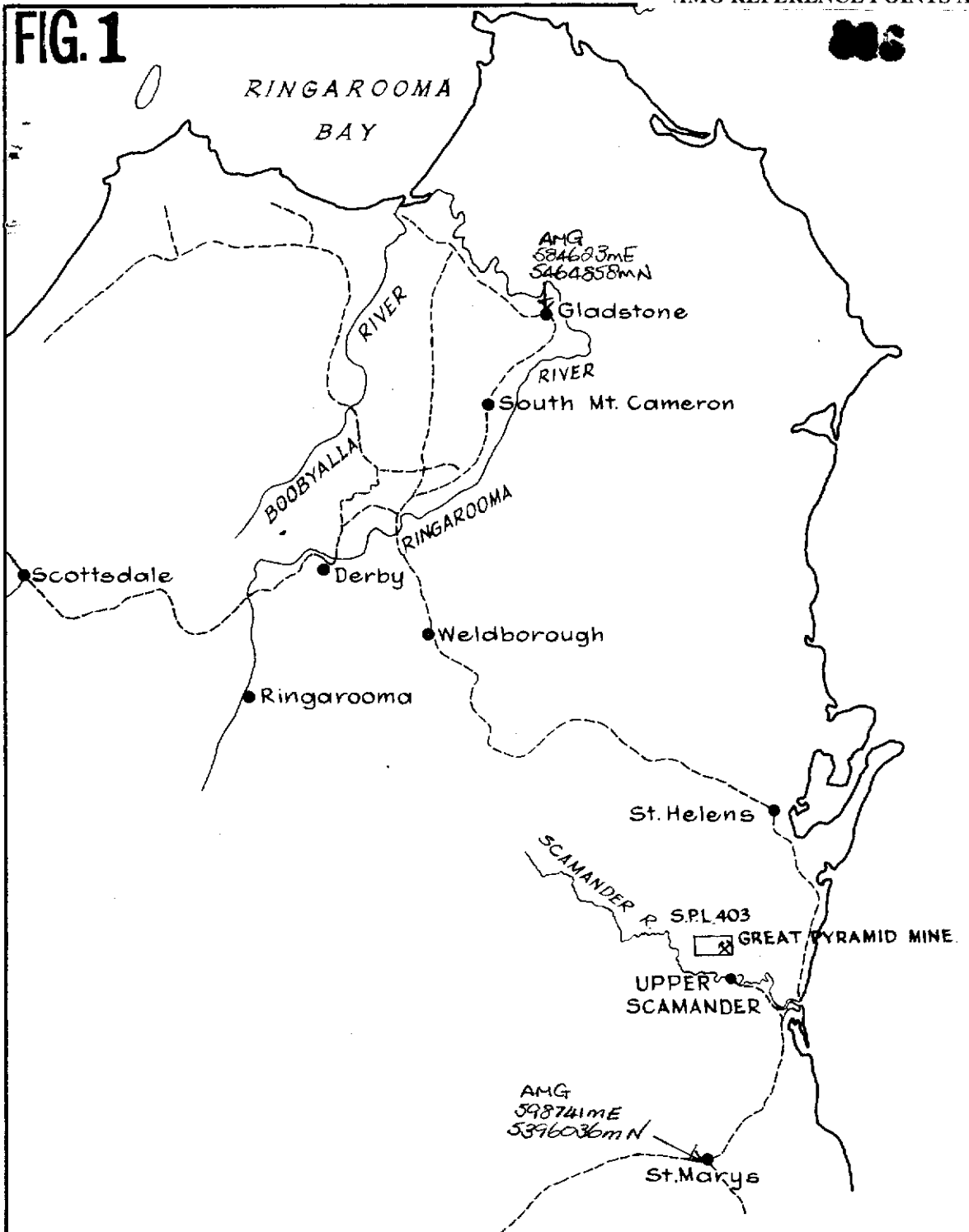
AMG REFERENCE POINTS ADDED

FIG. 1



LOCALITY MAP
PYRAMID TIN PROSPECT
EAST TASMANIA

SCALE :- 1 INCH = 8 MILES

5 cm

B. - LOCATION AND ACCESS.

The old Great Pyramid Tin Mine lies about seven miles from Scamander on the central east coast of Tasmania - see Fig. 1.

Access is by good gravel road to Upper Scamander, thence by a bulldozed track with steep grades for about a mile to the mine workings. Access can be cut for short periods during heavy rain when the Scamander river floods the bridge at Upper Scamander.

The mine workings occur on a steep-sided hill between 400 and 700 feet above sea level.

Rainfall in the area is approximately 20 - 25 inches per annum. Early morning frosts occur in winter.

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C. - TITLES.

The Company negotiated an option with Messrs. L. Price and R. D. L. Palmer of Ilfraville West Tamar, covering their Special Prospecting Licence No. 403, and their two mineral leases 23M/62 and 33M/62. The two leases total 28 acres in area and are enclosed by the boundaries of their two square mile Special Prospecting Licence.

The Special Prospecting Licence held in the name of L. Price was issued on 20th April, 1964, for six months. Subsequent renewals were obtained on the 20th October, 1964 and 20th April, 1965.

The terms of the option to the Company were:

(1) Right to prospect for twelve months on payment of £600.

(2) Right of renewal for further twelve months on payment of £2,000.

(3) Purchase price £6,000 excluding initial payment of £600.

The Agreement came into force on the 1st June, 1964 and was terminated by the Company on the expiry of the first twelve month period.

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D. - HISTORY.

The earliest detailed mention of prospecting at the Great Pyramid is made by W.H. Twelvetrees, 1911, in his Bulletin on the Scamander Mineral Field.

The Great Pyramid Tin Mining Company is believed to have carried out the early exploratory tunnelling and shaft sinking during the period 1909-1910. All the workings were sampled during this exploration and the generally low grade results caused a halt in development work.

The Troy Tin Syndicate resampled the existing workings during 1914 and may have carried out some further minor development driving of crosscuts. Apparently their assay results were discouraging since no further work was carried out.

During the period 1925 to 1936, some actual mining and milling operations were carried out as evidenced by records of production in the annual reports of the Mines Department as under:

Year	Tons of Ore	Tons of Concentrate	Calculated Recovery Grade
1928	55	0.65	.74% Sn
1933	103	1.359	.75
1934	152	3.00	.99
1936	21	.37	1.17
	331	5.379	

The calculated average recovery grade of .88% Sn indicates that the feed grade would be of the order of 1.25 to 1.5% Sn.

There is no trace of the old milling plant - 5 head stamp and tables.

Further sampling of the richer sections of the old workings was carried out by the Department of Mines in 1957 and 1963.

The present title holders have apparently not carried out any testing operations.

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E. - GENERAL

1. BUILDINGS:

All personnel lived at the Hotel in Scamander during the prospecting campaign. Three galvanised iron sheds were erected at the mine site for storage of equipment, drill core and percussion bore cuttings.

2. ROADS:

To provide sites for diamond and percussion drill sites, an extensive pattern of access roads was bulldozed on the Pyramid Hill and the ridge between the Pyramid and the Pinnacles. These roads, in places, provided exposures of in situ rock units.

3. SURVEYING:

A base plane table survey of the hill was carried out by Mr. M. J. Foster during the early stages of the prospecting programme. Additional infill and extension surveying was carried out by Messrs. G. Pun and J. Short.

This survey work provided the base map on which the Workings and Geology were plotted as shown on Fig. 2.

4. GEOLOGICAL MAPPING:

Mapping of the walls of the old workings was carried out by Mr. Foster while Mr. A. McKenzie carried out some regional and mine surface mapping. The latter was hampered by the lack of outcrop, despite the cutting of selected costeans and available road cuttings.

5. GEOPHYSICAL:

A ground magnetometer survey of the mine area was carried out by the Company geophysical team to define the ground position of the aeromagnetic anomaly detected by the earlier Lyell - E. Z. survey. Some minor additional

traverses were made over areas of possible mineralisation. Full details of this survey form the subject of a separate report by Mr. C.P. Taylor.

6. DIAMOND DRILLING:

Two diamond drill holes were programmed to test the higher grade sections evident in the old adits, viz. North and No. 1 S.L.L. adits.

Only the drill hole near the north adit was drilled - at a depression of 45° to a depth of 798.3 feet. The hole was surveyed for azimuth and dip prior to completion - see Fig. 3.

The hole was drilled by a Company owned FD.20 drill rig, largely in "A" size.

7. PERCUSSION DRILLING:

The programme of vertical percussion drilling was intended as a rapid method of determining the potential of the prospect - primarily with a view to open cut potential. The holes were intended to be located on a basic 200 ft. grid, but the difficult terrain prevented close adherence to this grid.

Of the 24 holes drilled on the Pyramid, only holes 24, 25 and 26 were sited to test magnetic features, see Fig. 4. The other holes were more or less drilled on the grid basis.

Two other holes, Nos. 22 and 23 were drilled on minor magnetic highs on the ridge between the Pyramid and Pinnacles.

The holes were all drilled by a Company owned Halco Stenuick (down the hole hammer) percussion drill using 4½" bits.

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F. - GEOLOGY.

The very poor outcrop on the surface of the Pyramid Hill has made interpretation of the geological structure almost impossible. It is even almost impossible to trace the intrusive dyke over any appreciable distance despite the known position of the magnetic anomaly associated with it.

The task of determining subsurface structure is made difficult by the fact that the various adits, which provide subsurface structural information are at different levels, hence it is not valid to compile "level" plans of the workings for structural correlation since there are insufficient adits at a given level to allow correlation.

The predominant features which have become apparent are that the sequence of interbedded shales and generally silicified sandstones have a general steep dip to the southwest. Thickness of the individual units varies from fractions of an inch to 20 feet in places. All units have undergone low grade regional metamorphism with the resultant fracturing etc. being more apparent in the brittle silicified sandstone units.

Superimposed on this regional (?) structure are a number of features which result in variable dips and prevent detailed correlation. The lack of suitable outcrop has prevented interpretation of the nature of the structural features which give rise to the variations in dip evident, e.g. No. 3 S.L.L. and North adits.

It is apparent that the low grade tin mineralisation is restricted to the sandstone units, especially those that show strong silicification. However, it is not yet apparent whether the mineralisation occurs in part as a relatively fine grained dissemination throughout a unit, or entirely as discrete veins and joint facings, within a unit. It was hoped that the

information from core drilling and adit mapping would have clarified this feature, however the field geologists engaged on these aspects of the project are not available and the information is not indicated in their written records.

The actual mineralisation appears to be basically a quartz-sulphide host with cassiterite. Sulphides include pyrite, galena, sphalerite and chalcopyrite in highly variable proportions. A carbonate gangue calcite or siderite is also sometimes present.

While there is no granite outcrop within three miles of the Pyramid, it is inferred that granite occurs at depth and that the weak regional metamorphism and mineralisation is related to the premise that this area forms part of a large roof pendant.

The time and mineralogical relationship of the doleritic dyke with the host sediments is not known.

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G. - APPRAISAL OF RESULTS

1. GEOLOGICAL MAPPING:

The mass of disconnected geological detail available as a result of the adit and surface mapping together with drill hole intersections is difficult to assess without the use of a three dimensional model to overcome problems related to relative levels of mapped sections and dip variations.

In view of the relatively low grade intersections obtained from drillholes, which confirm the results of the old adit sampling, the writer has not made a detailed appraisal of the available geological mapping.

2. GEOPHYSICAL:

The results of the ground magnetometer survey of the Pyramid area are discussed in a separate report by Mr. Taylor. The resultant magnetic anomaly plan is shown as Fig. 4 of this report.

The basic feature arising from interpretation of the results is the lineal feature striking NE - SW apparently with dip of 65° to the north. This is related to an intrusive dyke which has only been exposed in one place - No. 1 N.L.L. adit.? N°1 S. L.L. ADIT.

Associated with this lineal feature are a number of less definite isolated highs of lower intensity. The cause of these minor anomalies and their relationship to the dyke are unknown, since percussion drill holes sited to test a number of them have not intersected formations which appear likely to produce anomalies.

3. DIAMOND DRILLING:

The graphic assay section of the diamond drill hole is shown as Fig.5. The cross section, Fig. 3, more or less along the plane of the hole shows the spatial relationships of adjacent percussion holes and adits, while the plan projection of the hole is shown on Fig. 2.

From these plans it can be seen that the drill hole penetrated a fairly complete section of the hill.

Examination of the core revealed only one surprising feature - the high zinc content of the 1.1 ft. thick section of massive sulphide mineralisation at 665.7 feet. Assay results of this vein showed a tin content of 1.33% and a zinc (as sphalerite) content of 38.3%, with 1.23% copper.

Generally the core consisted of heavily fractured and jointed shales and fine grained sandstones, in part strongly silicified, with minor veins up to ½ inch thick carrying quartz, cassiterite and sulphides, especially pyrite. The best averaged core assay results revealed medium low grade sections as under:

Depth - Ft. From	To	Thickness	Averaged Sn Assay
119.2	131.2	12.0	0.29%
390.3	404.8	14.5	0.37%
715.6	727.6	12.0	0.39%

Full assay results are shown on the Graphic Log Fig. 5.

4. PERCUSSION DRILLING:

The assay logs of the 23 percussion bores drilled on the Pyramid Hill and the three bores drilled to the west of the Pyramid area (see Fig. 2) are filed in folios kept in the Geological Section. The tabulation on page 15

017

summarises the main details of these holes.

It can be seen that while no high grade sections were intersected a number of medium low grade sections in the range 0.3 to 0.5% Sn can be defined over limited thicknesses. Since the attitude of the zones carrying these values (presumably individual sandstone beds) is unknown it is not possible to effectively evaluate the potential of the sections defined - since a vertical bore through a bed 2 feet thick and dipping steeply could yield an apparent intersection of between 4 and 10 feet.

Hence it becomes apparent that a precise geological basis is required on which to evaluate the percussion drill hole results, before it is possible to define tin bearing zones.

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SUMMARISED PERCUSSION BORE RESULTS

Bore No.	Total Depth Ft.	Best assay sections showing interval in feet and averaged assay. % Sn
PDUS.		
1	204.8	38-44 0.26%; 92-110 0.40%; 116-128 .17%; 164-170 .22%
2	127.8	0-20 0.26%; 32-50 .24%; 80-86 .28%; 98-104 .25%.
3	200	128-134 .22%.
4	200	Barren
5	200	32-44 .22%; 50-56 .24%; 62-68 .28%; 98-104 .47%
6	200	38-62 .18%; 86-98 .46%; 182-188 .26%; 194-200 .19%.
7	200	14-26 .33%; 38-62 .30%; 74-116 .43%.
8	150	68-74 .22%; 80-98 .28%.
9	50	Barren
10	50	20-26 .22%.
11	74	0.26 .40%; 32-38 .23%; 50-56 .24%
12	50	Barren
13	50	14-44 .27%
14	200	32-56 .19%; 68-92 .22%; 104-116 .24%; 134146 .26%. 176-182 .24%.
15	98	0-20 .37%; 56-68 .35%; 92-98 .36%.
16	50	Barren
17	50	Barren
18	50	Barren
19	50	44-50 .14%
20	152	32-128 .40% (38-92 .56%)
21	50	Barren

019

Bore No.	Total Depth Ft.	Best assay sections showing interval in feet and averaged assay. % Sn
22	146	Barren)
23	50	Barren) Ridge to west of Pyramid Hill.
24	50	Barren)
25	151	85-97 .38%
26	158	38-134 .18% (50-68 .25%; 74-80 .24%; 110-134 .22%)

H. - CONCLUSIONS.

The main features to become apparent as a result of the prospecting programme are:

(1) The aeromagnetic anomaly is associated with an intrusive doleritic dyke whose mineralogical and time relationship to the structure and mineralisation of the area, is unknown.

(2) The poor outcrop prevents detailed structural mapping, However, it is apparent that there are a number of structural complications to the general steep dip, to the southwest, displayed by the sediments.

(3) Mineralisation is almost entirely low grade, consisting of cassiterite with sulphides, associated with strongly silicified sandstone horizons. Whether the mineralisation is entirely as veins or partly as fine grained disseminations is not as yet apparent.

(4) While drilling on a grid basis can be considered suitable for the location of sporadic or weak mineralisation, the conditions at the Great Pyramid prospect indicate that any future drilling may yield best results if holes are sited to locate specific targets and are inclined to intersect the inferred dipping mineralised horizons, rather than grid drilling on a close pattern.

(5) The detailed geological information available from surface mapping, old workings and drilling can only be effectively interpreted by use of a three dimensional model, so as to overcome the correlation problems arising from relative level and dip variations.

(6) Drilling has confirmed the various old workings sampling results - viz. that there are few high grade sections and the bulk of the mineralised material is fairly low grade. Further it is evident

that the mineralised material is only of limited development in the hill mass.

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I. - RECOMMENDATIONS

Since the size and grade of the prospect makes it of little interest to the Company, the following suggestions concerning future testing are placed on record. It being evident that any ore occurring at this prospect will be low grade and hence its extent and grade will have to be evaluated to within close limits prior to any mining.

(1) Compile a three dimensional model on a natural scale of 1" = 100 ft. on which the problems of structural geology can be resolved.

(2) Carry out necessary surface or underground mapping to complete correlations associated with above.

(3) Interpret the percussion drilling results with respect to geology - e.g. attitude of mineralised horizons.

(4) Site shallow inclined drill holes to intersect specific targets, e.g. inferred correlations of ore bearing horizons.

This programme, outlined above, is purely related to locating low grade ore minable by open cut means. There does not appear sufficient justification at present to warrant testing for underground potential.

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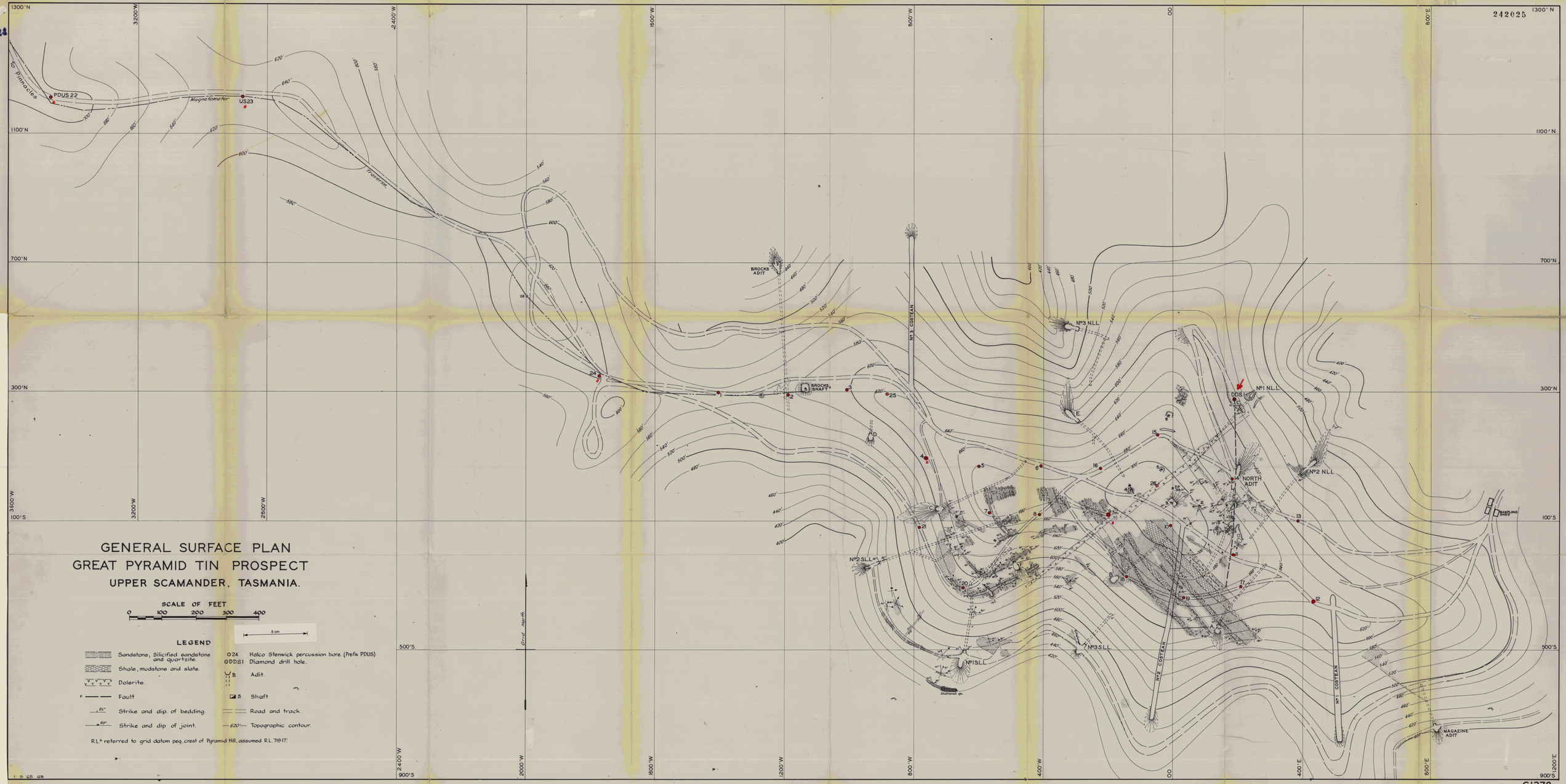
APPENDIX

ASSAY SECTIONS OF PERCUSSION DRILL HOLES

P.D.U.S. 1 TO 26



GENERAL SURFACE PLAN
GREAT PYRAMID TIN PROSPECT
UPPER SCAMANDER, TASMANIA.

SCALE OF FEET
0 100 200 300 400

5 cm

LEGEND

- Sandstone, Silicified sandstone and quartzite.
- Shale, mudstone and slate.
- Dolerite.
- Fault
- Strike and dip of bedding.
- Strike and dip of joint.
- O24 Halco Stenwick percussion bore (Prefix PDUS)
- ⊕DDS1 Diamond drill hole.
- B. Adit.
- S. Shaft.
- Road and track.
- 620' Topographic contour.

R.L.s referred to grid datum peg, crest of Pyramid Hill, assumed R.L. 719·17.

1·9·65 GB

G1378

242026

200 E.

D.D.S.I.

PLAN

S

N

R.L. 800'

400S

200 S

00

200N

400N

R.L. 800'

P.D.U.S. 11.

SHAFT ?

P.D.U.S. 17.

NORTH ADIT

P.D.U.S. 14.

600'

600'

D.D.S.I.

Fault zone.

400'

400'

200'

200'

798.3'

R.L. 00

400S

200 S

00

200 N

400N

R.L. 00

LEGEND:

- Sandstone.
- Shale.
- Silicified shale and siltstone.

CROSS SECTION THROUGH D.D.S.I.
GREAT PYRAMID PROSPECT
UPPER SCAMANDER - TASMANIA

SCALE: 1"=80'

5 cm

31.8.65 A.Cz.

Gs 704

FIG. 4

126

242027

1200'N

800'N

400'N

400'S

800'S

1600'W 1200'W 800'W 400'W 0 400'E 800'E 1200'E

E. ADIT

BROCKS ADIT

No 3. N.L.L. ADIT

No 1. N.L.L. ADIT

No 2 N.L.L. ADIT

BROCKS SHAFT

PB1 PB2 PB3 PB25

D. ADIT PB4 PB5 PB6

C. ADIT PB7 PB21

PB8 PB9

PB10 PB11 PB12 PB13 PB14 PB15 PB16

No 1 No 2 No 3 No 5

NORTH ADIT

A. ADIT PB20

B. ADIT PB18 PB19 PB17

A ADIT

No 2 S.L.L. ADIT

No 3. S.L.L. ADIT

No 1 S.L.L. ADIT

DYKE OF ESTIMATED DDS I

MAGAZINE ADIT

VERTICAL MAGNETIC INTENSITY INDICATORS.

- > 500 gammas.
- 400 - 500 gammas.
- 300 - 400 "
- 200 - 300 "
- < 200 gammas.

LEGEND

- 400 / 375 — Contours of vertical magnetic intensity in gammas.
- Road.
- Adit and portal.
- Shaft.
- Magnetic axis.
- PB4.0 Percussion bore.

MAGNETIC CONTOUR MAP
GREAT PYRAMID TIN PROSPECT, TAS.

SCALE OF FEET

0 100 200 300 400

5 cm

12-8-64

G4966

5 cm

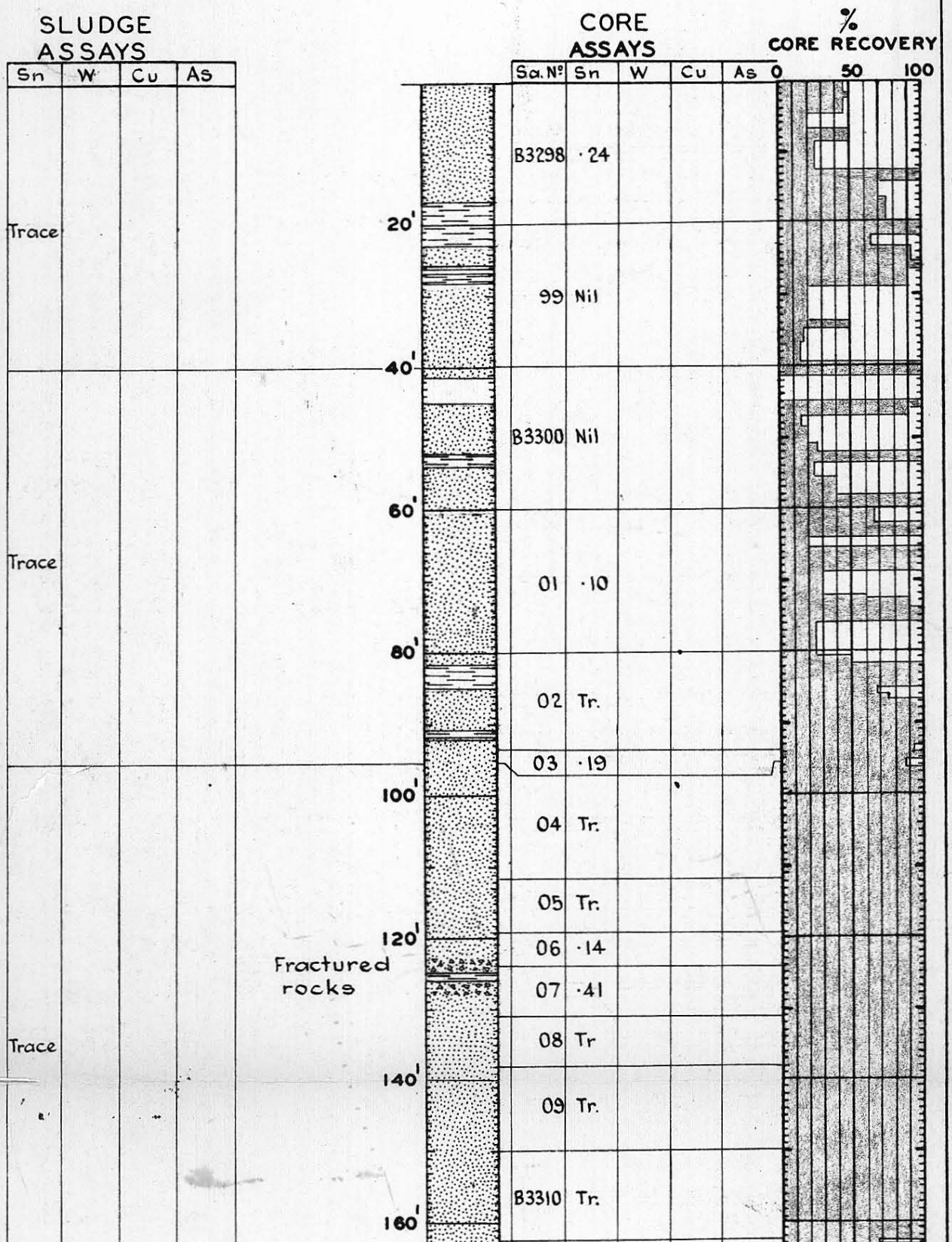
242028 **FIG. 5**

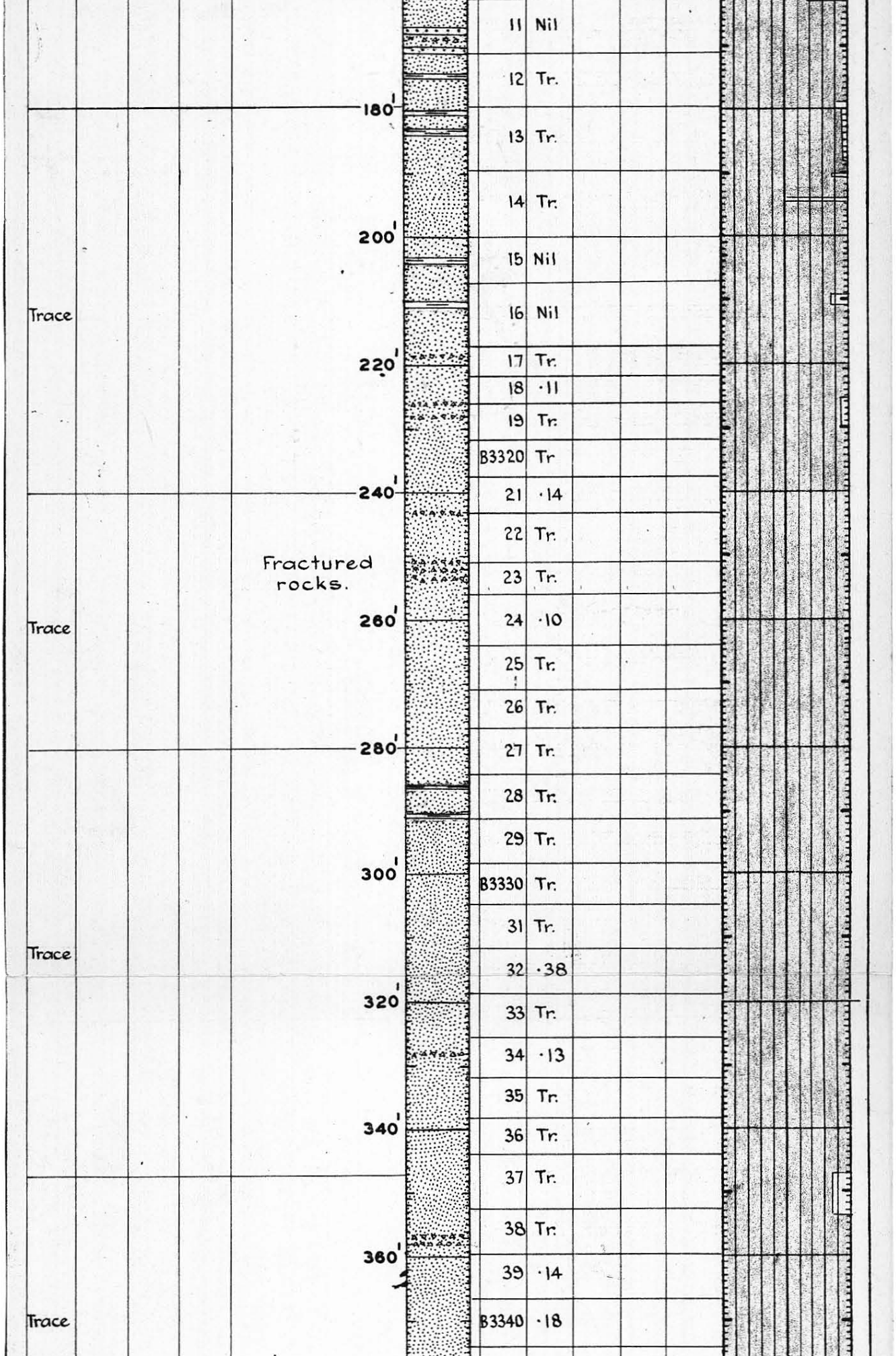
GRAPHIC SECTION : UPPER SCAMANDER Nº 1

DEPOSIT : GREAT PYRAMID MINE

LOGGED BY A. BARCO, D. BARNET, G. PUNN DATE DECEMBER 1964 FEBRUARY 1965

SCALE :- 1 INCH – 20 FEET



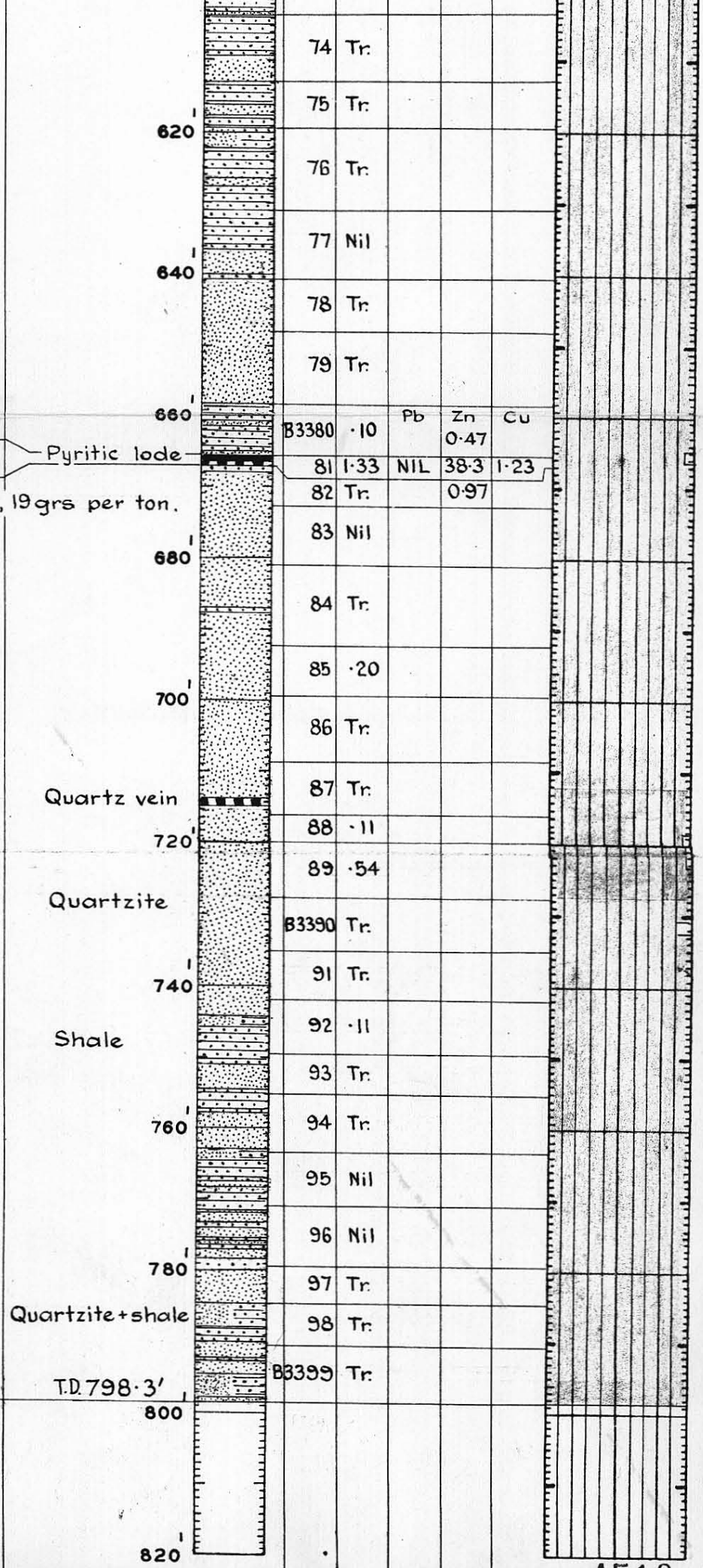

11 Nil
12 Tr.
180'
13 Tr.
14 Tr.
200'
15 Nil
Trace
16 Nil
220'
17 Tr.
18 ·11
19 Tr.
B3320 Tr
240'
21 ·14
22 Tr.
Fractured rocks.
23 Tr.
Trace
260'
24 ·10
25 Tr.
26 Tr.
280'
27 Tr.
28 Tr.
29 Tr.
300'
B3330 Tr.
31 Tr.
Trace
32 ·38
320'
33 Tr.
34 ·13
35 Tr.
340'
36 Tr.
37 Tr.
38 Tr.
360'
39 ·14
Trace
B3340 ·18

				380'		41	Tr.			
						42	Tr.			
				Quartz + iron oxide veins		43	Tr.			
						44	·56			
				400'		45	·18			
				Quartz + iron oxide veins		46	·29			
						47	Tr.			
				420'		48	Tr.			
Trace						49	·11			
						B3350	Tr.			
				440'		51	Tr.			
						52	Tr.			
						53	Tr.			
				460'		54	Tr.			
						55	Tr.			
				480'		56	Tr.			
						57	Tr.			
						58	Tr.			
				500'		59	Tr.			
						B3360	Nil			
						61	Tr.			
				520'		62	Tr.			
						63	Tr.			
				540'		64	Tr.			
						65	·21			
						66	Tr.			
				560'		67	·11			
						68	Tr.			
						69	Tr			
RETURN				580'		B3370	·11			
						71	·17			
						72	·14			
				600'		73	Tr.			

NO WATER

Bi	Fe	S	CO_2
·018	8·7	17·9	1·36

Ag. = 2 ozs, 12 dwts, 19 grs per ton.



74	Tr.				
75	Tr.				
76	Tr.				
77	Nil				
78	Tr.				
79	Tr.				
B3380	·10	Pb	Zn 0·47	Cu	
81	1·33	NIL	38·3	1·23	
82	Tr.		0·97		
83	Nil				
84	Tr.				
85	·20				
86	Tr.				
87	Tr.				
88	·11				
89	·54				
B3390	Tr.				
91	Tr.				
92	·11				
93	Tr.				
94	Tr.				
95	Nil				
96	Nil				
97	Tr.				
98	Tr.				
B3399	Tr.				

Assay Sections
of
Percussion Drill Holes
P.D.U.S. 1-13 Part 1.

65 - 397

242029

4/13

PDS 1

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. PD. U.S.1
Location PYRAMID SURVEY
N.300, W.1400

Collar R.L. 565'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3.
Bit TITAN A.66
Driller M.DAVIES, J. CONNORS.
Date commenced 5TH FEBRUARY
Date completed 9TH FEBRUARY
Logged by
Assayed by NEWCASTLE

Drilling Time 14 HOURS
Penetration Rate 14.5 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
		SURFACE	SAMPLE														
B.2650	2	8	6		0.840	Tr.									Trace		
B.2651	8	14	6		0.825	Tr.						10'			0.1		
B.2652	14	20	6		0.885	.14									0.25		
B.2653	20	26	6		0.880	Tr.						20'			0.25		
B.2654	26	32	6		0.805	Tr.									Trace		
B.2655	32	38	6		0.915	Tr.						30'			0.3		
B.2656	38	44	6		0.825	.26						40'			Trace		
B.2657	44	50	6		0.910	Tr.									Trace		
B.2658	50	56	6		0.815	Tr.						50'			Trace		
B.2659	56	62	6		0.880	NIL						60'			Trace		
B.2660	62	68	6		0.920	NIL									Trace		
B.2661	68	74	6		0.810	NIL						70'			Trace		
B.2662	74	80	6		0.780	.16									Trace		
B.2663	80	86	6		0.855	.13						80'			Trace		Concentrate contains bismuth and lead carbonates.
B.2664	86	92	6		0.790	Tr.						90'			Trace		Concentrate contains bismuth and lead carbonates.
B.2665	92	98	6		0.830	.74									Trace		Concentrate contains approx. 1% lead.

Prepared by _____ Checked by _____ Date _____ LEGEND

Alluvium ▭ Hematite ▭ Limonite ▭ Chert ▭ Clay ▭

Natural Fe ▨ Calcined Fe ▨ ▭ ▭ ▭

65-397

242000

41|13

P.D.U.S.#1

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.1 (CONT)
Location PYRAMID SURVEY
N.300, W.1400

Collar R.L. 565'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit TITAN A.66
Driller M.DAVIES, J. CONNORS.
Date commenced 5TH FEBRUARY
Date completed 9TH FEBRUARY
Logged by
Assayed by

Drilling Time 14 HOURS.
Penetration Rate 14.5 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR		DESCRIPTION
B.2666	98	104	6		0.910	·18									Trace			With lead carbonates.
B.2667	104	110	6		0.800	·28									Trace			" " " "
B.2668	110	116	6		0.770	Tr.									Trace			" " " "
B.2669	116	122	6		0.785	·15									Trace			" " " "
B.2670	122	128	6		0.830	·20									Trace			" " " "
B.2671	128	134	6		0.815	Tr.									Nil			With Bismuth.
B.2672	134	140	6		0.865	Tr.									Nil			
B.2673	140	146	6		0.890	NIL									Nil			
B.2674	146	152	6		0.795	Tr.									Nil			
B.2675	152	158	6		0.890	Tr.									Trace			Conc. contains mostly pyrite.
B.2676	158	164	6		0.820	Tr									Trace			Pyrite, lead and bismuth present.
B.2677	164	170	6		0.760	·22									Trace			" " " " "
B.2678	170	176	6		0.900	Tr.									Trace			Pyrite present.
B.2679	176	182	6		0.815	Tr.									Nil			
B.2680	182	188	6		0.795	Tr.									Nil			Pyrite, lead and bismuth present.
B.2681	188	194	6		0.815	Tr.									Nil			
B.2682	194	200	6		0.755	Tr.									Nil			

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397
242031

41/13

PDUS 1

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.1 (Cont)
Location PYRAMID SURVEY (CONT'D.)
Collar R.L.
Depression
Bearing

Unit
Bit
Driller
Date commenced
Date completed
Logged by
Assayed by
Drilling Time
Penetration Rate

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx Sn %	COLOUR		DESCRIPTION
B.2683	200	204.8	4.8		0.115	Tr.									Nil			

10'
20'
30'
40'
50'
60'
70'
80'
90'

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium _____ Hematite _____ Limonite _____ Chert _____ Clay _____

Natural Fe _____ Calcined Fe _____

65-397
242032

41/13

PDOS 2.

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre: SCAMANDER; TAS.
Bore No.: P.D.U.S. 2
Location: PYRAMID SURVEY
N.300, W.1200
Collar R.L.: 578'
Depression: VERTICAL
Bearing:

Unit: HALCO STENUICK MK.3.
Bit: TITAN A.66.
Driller: M.DAVIES, J. CONNORS.
Date commenced: 10TH FEBRUARY
Date completed: 11TH FEBRUARY
Logged by:
Assayed by:
Drilling Time: 9 HOURS.
Penetration Rate: 14.3 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. ISn %	COLOUR		DESCRIPTION
B.2684	0	2.7	2.7	-	-	·20									0.35			
B.2685	2.7	8	5.3	91	0.930	·25							97.9		0.75			
B.2686	8	14	6	99	0.900	·42						10'	110.0		0.75			
B.2687	14	20	6	105	0.910	·16						20'	115.5		0.30			
B.2688	20	26	6	76	0.860	Tr.							88.4		0.10			
B.2689	26	32	6	53	0.855	·11						30'	97.2		0.20			
B.2690	32	38	6	90	0.885	·45							100.2		0.20			
B.2691	48	44	6	85	0.840	·29						40'	101.2		0.25			
B.2692	44	50	6	88	0.860	·10							102.3		Trace			
B.2693	50	56	6	87	0.930	NIL						50'	93.5		Trace			
B.2694	56	62	6	82	0.855	Tr.						60'	95.9		Trace			
B.2695	62	68	6	78	0.840	Tr.							92.8		Trace			
B.2696	68	74	6	82	0.930	Tr.						70'	88.3		Trace			
B.2697	74	80	6	79	0.875	Tr.							89.2		Trace			
B.2698	80	86	6	82	0.845	·28						80'	97.0		0.75			
B.2699	86	92	6	80	0.845	NIL						90'	94.8		Trace			
B.2700	92	98	6	77	0.820	NIL							93.9		Nil			

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397
242033

41/13

PDUS2.

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D.U.S.2 (CONT)
Location N.300, W.1200
PYRAMID SURVEY.

Collar R.L. 578'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3.
Bit TITAN A.66
Driller M.DAVIES, J. CONNORS
Date commenced 10TH FEBRUARY
Date completed 11TH FEBRUARY
Logged by
Assayed by

Drilling Time 9 HOURS
Penetration Rate 14.1 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn %	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx Sn %	COLOUR		DESCRIPTION
B.2701	98	104	6	83	0.800	.25							103.7		1.0			
B.2702	104	110	6	81	0.890	Tr.							91.0		0.25			
B.2703	110	116	6	79	0.780	.18							101.2		0.75			
B.2704	116	122	6	82	0.925	Tr.							88.6		0.2			
B.2705	122	127.8	5.8	52	0.520	Tr.							100.0		0.1			
	HOLE ABANDONED DUE TO CAVITY.																	

10' 20' 30' 40' 50' 60' 70' 80' 90'

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397
242034

41/13

P1 DS 3

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANADER, TAS.
Bore No. P.D.U.S.3
Location PYRAMID SURVEY N.300, W.1000
Collar R.L. 595'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3.
Bit TITAN A.66, HALCO 578.
Driller M.DAVIES, J. CONNORS.
Date commenced 11TH FEBRUARY
Date completed 13TH FEBRUARY
Logged by
Assayed by

Drilling Time 12 HOURS.
Penetration Rate 16.6 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.2706	0	2	2	-	-	Tr.									Trace		
B.2707	2	8	6	67	0.742	NIL							90.3		Trace.		
B.2708	8	14	6	81	0.920	Tr.						10'	88.0		0.1		
B.2709	14	20	6	74	0.980	Tr.							75.5		0.1		
B.2710	22	26	6	76	0.970	Tr.						20'	78.4		Trace		
B.2711	26	32	6	80	0.895	Tr.							89.4		Trace		
B.2712	32	38	6	77	0.945	Tr.						30'	81.5		0.1		
B.2713	38	44	6	66	0.870	Tr.							75.9		0.1		
B.2714	44	50	6	65	0.905	NIL						40'	71.8		Trace		
B.2715	50	56	6	75	0.960	Tr.							78.1		Trace		
B.2716	56	62	6	79	0.930	NIL						50'	85.0		Trace		
B.2717	62	68	6	80	0.955	Tr.							83.8		Trace		
B.2718	68	74	6	82	0.970	NIL						60'	84.5		Nil		
B.2719	74	80	6	76	0.935	NIL							83.1		Nil		
B.2720	80	86	6	79	0.950	NIL						70'	83.1		Nil		
B.2721	86	72	6	78	0.910	NIL							85.6		Nil		
B.2722	92	98	6	74	0.920	NIL						80'	80.4		Nil		
												90'					

Prepared by _____ Checked by _____ Date _____ LEGEND

Alluvium | Hematite | Limonite | Chert | Clay
Natural Fe | Calcined Fe

65-397

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41/13

PD 053

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D.U.S. 3 (Cont)
Location PYRAMID SURVEY
N.300, W.1000

Collar R.L. 598'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit TITAN A.66, HALCO 578
Driller M.DAVIES, J. CONNORS.
Date commenced 11TH FEBRUARY
Date completed 13TH FEBRUARY
Logged by
Assayed by

Drilling Time 12 HOURS.
Penetration Rate 16.6 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.2723	98	104	6	77	0.885	Tr.							87.0		Nil		
B.2724	104	110	6	85	0.925	Tr.							91.9		Trace		
B.2725	110	116	6	80	0.840	Tr.						10'	95.3		Trace		
B.2726	116	122	6	81	0.890	Tr.							91.0		Trace		
B.2727	122	128	6	89	0.930	Tr.						20'	95.5		0.1		
B.2728	128	134	6	77	0.870	.22							88.5		0.5		
B.2729	134	140	6	78	0.890	NIL						30'	87.6		Trace		
B.2730	140	146	6	74	0.820	Tr.							90.2		Trace		
B.2731	146	152	6	67	0.780	Tr.						40'	86.0		Trace		
B.2732	152	158	6	73	0.775	NIL							94.2		Nil		
B.2733	158	164	6	73	0.820	NIL						50'	89.0		Trace		
B.2734	164	170	6	69	0.770	Tr.							89.6		Trace		
B.2735	170	176	6	66	0.830	NIL						60'	79.4		Nil		
B.2736	176	182	6	63	0.805	NIL							78.2		Nil		
B.2737	182	188	6	66	0.765	NIL						70'	86.3		Nil		
B.2738	188	194 144	6	85	0.760	NIL							111.9		Nil		
B.2739	194	200	6	78	0.745	NIL						80'	104.8		Nil		
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay

Natural Fe | Calcined Fe

65-397

4113

242036

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.4
Location PYRAMID SURVEY N.100, W.800
Collar R.L. 600'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit HALCO 578
Driller M.DAVIES, J. CONNORS.
Date commenced 15th FEB. 2.45 pm.
Date completed 17th FEB. 10.0 am.
Logged by
Assayed by

Drilling Time 12 HOURS
Penetration Rate 16.6 FT./HR.

PDUS4

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.2740	0	2	2			NIL									Nil		
B.2741	2	8	6	70	0.890	NIL							78.6		Nil		
B.2742	8	14	6	75	0.970	NIL						10'	77.4		Nil		
B.2743	14	20	6	82	0.945	NIL							86.7		Nil		
B.2744	20	26	6	80	0.965	NIL						20'	82.9		Nil		
B.2745	26	32	6	86	0.950	NIL							90.5		Nil		
B.2746	0	32	32	DUST	SAMPLE	NIL						30'			Nil		
B.2747	32	38	6	86	0.955	NIL							90.0		Nil		
B.2748	38	44	6	89	0.910	Tr.						40'	97.8		Nil		
B.2749	44	50	6	83	0.890	NIL							93.2		Nil		
B.2750	50	56	6	84	0.845	Tr.						50'	99.4		Nil		
B.2751	56	62	6	76	0.810	NIL							93.9		Nil		
B.2752	32	62	30	DUST	SAMPLE	Tr.						60'			Nil		
B.2753	62	68	6	76	0.835	NIL							91.0		Nil		
B.2754	68	74	6	74	0.825	NIL						70'	89.7		Nil		
B.2755	74	80	6	74	0.800	NIL							92.4		Nil		
B.2756	80	86	6	73	0.795	NIL						80'	91.8		Nil		
B.2757	86	92	6	76	0.755	NIL							100.7		Nil		
B.2758	62	92	30	DUST	SAMPLE	NIL						90'			Nil		
B.2759	92	98	6	76	0.750	NIL							101.2		Nil		

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41/13

242037

PDUS4

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. PD. U.S.4 (CONT)
Location PYRAMID SURVEY
N.100, W.800

Collar R.L. 600'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit HALCO 578
Driller M.DAVIES, J. CONNORS.
Date commenced 15TH FEB. 2.45 pm.
Date completed 17TH FEB. 10.0 am.
Logged by
Assayed by

Drilling Time 12 HOURS.
Penetration Rate 16.6 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR		DESCRIPTION
B.2760	98	104	6	75	0.815	NIL							91.9		Nil			
B.2761	104	110	6	79	0.875	NIL						10'	90.3		Nil			
B.2762	110	116	6	76	0.800	NIL							95.0		Nil			
B.2763	116	122	6	75	0.785	Tr.						20'	95.6		Nil			
B.2764	92	122	30	DUST	SAMPLE	Tr.									Nil			
B.2765	122	128	6	73	0.810	Tr.							90.1		Nil			
B.2766	128	134	6	73	0.780	.14						30'	93.6		Nil			
B.2767	134	140	6	78	0.810	Tr.							96.4		Nil			
B.2768	140	146	6	77	0.785	Tr.						40'	98.1		Nil			
B.2769	146	152	6	72	0.745	Tr.						50'	96.6		Nil			
B.2770	132	152	30	DUST	SAMPLE	Tr.									Nil			
B.2771	152	158	6	59	0.845	NIL							69.9		Nil			
B.2772	158	164	6	64	0.810	NIL						60'	78.9		Nil			
B.2773	164	170	6	59	0.770	Tr.							76.5		Nil			
B.2774	170	176	6	76	0.795	Tr.						70'	95.5		Nil			
B.2775	176	182	6	75	0.800	Tr.						80'	93.8		Nil			
B.2776	152	182	30	DUST	SAMPLE	NIL									Nil			
B.2777	182	188	6	70	0.755	NIL							92.9		Nil			
B.2778	188	194	6	70	0.715	NIL						90'	97.9		Nil			
B.2779	194	200	6	65	0.680	NIL							95.6		Nil			
B.2780	182	200	18	DUST	SAMPLE	NIL									Nil			

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41113

242038

PD US 5

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.5
Location PYRAMID SURVEY
N.100, W.600

Collar R.L. 670'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.5
Bit HALCO 578
Driller M.DAVIES, J. CONNORS
Date commenced 19TH FEB. 3.00 p.m.
Date completed 22ND FEB. 4.30 p.m.
Logged by
Assayed by

Drilling Time 14 HOURS.
Penetration Rate 14.3 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx Sn %	COLOUR		DESCRIPTION
	NO SAMPLE TAKEN																	
B.2781	1.9	8	6.1	70	0.785	Tr.							89.1		Nil			
B.2782	8	14	6	79	0.835	Tr.						10'	94.5		0.15			
B.2783	14	20	6	75	0.780	.10							96.2		0.15			
B.2784	20	26	6	76	0.805	Tr.						20'	94.4		0.15			
B.2785	26	32	6	74	0.770	Tr.							96.1		Trace			
B.2786	32	38	6	81	0.810	.34						30'	100.0		1.0			
B.2787	38	44	6	76	0.760	.10							100.0		0.25			
B.2788	44	50	6	70	0.860	Tr.						40'	81.4		0.1			
B.2789	50	56	6	76	0.925	.24							82.2		0.5			
B.3431	56	62	6	76	0.800	Tr.						50'	95.0		0.5			
B.3432	62	68	6	79	0.825	.28							95.7		0.75			
B.3433	68	74	6	74	0.865	NIL						60'	85.6		Trace			
B.3434	74	80	6	74	0.890	Tr.							83.1		Trace			
B.3435	80	86	6	78	0.835	Tr.						70'	93.4		0.15			
B.3436	86	92	6	75	0.815	.11							91.9		0.5			
B.3437	92	98	6	73	0.865	Tr.						80'	84.4		Trace.			
												90'						

Prepared by _____ Checked by _____ Date _____ LEGEND

Alluvium | Hematite | Limonite | Chert | Clay

Natural Fe | Calcined Fe

65-397

41/13

242039

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.5 (CONTINUED)
Location
Collar R.L.
Depression
Bearing

Unit
Bit
Driller
Date commenced
Date completed
Logged by
Assayed by
Drilling Time
Penetration Rate

PD US 5 cont

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn. %	COLOUR		DESCRIPTION
B.3438	98	104	6	74	0.745	.47							99.4		0.75			
B.3439	104	110	6	75	0.835	Tr.						10'	89.8		0.2			
B.3440	110	116	6	73	0.795	Tr.							91.8		0.2			
B.3441	116	122	6	75	0.835	Tr.						20'	89.8		0.15			
B.3442	122	128	6	76	0.815	NIL							93.2		0.1			
B.3443	128	134	6	76	0.760	NIL						30'	100.0		Trace			
B.3444	134	140	6	83	0.775	NIL							107.1		Trace			
B.3445	140	146	6	83	0.775	Tr.						40'	107.1		0.25			
B.3446	146	152	6	81	0.760	Tr.						50'	106.6		0.2			
B.3447	152	158	6	80	0.790	Tr.							101.3		0.1			
B.3448	158	164	6	77	0.775	Tr.						60'	99.4		0.2			
B.3449	164	170	6	76	0.740	Tr.							102.8		0.1			
B.3450	170	176	6	78	0.780	Tr.						70'	100.0		0.1			
B.3451	176	182	6	71	0.795	Tr.						80'	89.4		Trace			
B.3452	182	188	6	67	0.795	NIL							84.3		0.1			
B.3453	188	194	6	71	0.735	NIL						90'	96.6		Trace			
B.3454	194	200	6	70	0.705	Tr.							99.3		Trace			

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay
Natural Fe | Calcined Fe

65-397

41/13

242010

PDUS 6.

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.6
Location PYRAMID SURVEY
N.100, W.400

Collar R.L. 655'
Depression VERTICAL
Bearing

Unit HAICO STENUICK MK.3
Bit A.66(0-152') S/C 212(152'-200+)
Driller M.DAVIES, J.CONNORS.
Date commenced 23RD FEBRUARY
Date completed 27TH FEBRUARY
Logged by
Assayed by

Drilling Time 21 HRS. 15 MINS.
Penetration Rate 9.4 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn %	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3455	0	2	2			Tr.									Nil		
B.3456	2	8	6	82	0.87	Tr.							94.3		Nil		
B.3457	8	14	6	92	0.85	Tr.						10'	96.4		Trace		
B.3458	14	20	6	79	0.895	·11							88.3		Nil		
B.3459	20	26	6	86	0.91	NIL						20'	94.5		Nil		
B.3460	26	32	6	88	0.87	NIL						30'	101		Nil		
B.3461	32	38	6	88	0.89	Tr.							98.7		Trace		
B.3462	38	44	6	89	0.865	·17						40'	103		Trace		
B.3463	44	50	6	92	0.875	·16							105.2		0.15		
B.3464	50	56	6	89	0.87	·15						50'	102.3		0.20		
B.3465	56	62	6	86	0.835	·25						60'	103		0.25		
B.3466	62	68	6	84	0.855	Tr.							99.1		0.10		
B.3467	68	74	6	80	0.82	Tr.						70'	97.6		0.15		
B.3468	74	80	6	80	0.86	Tr.							93.1		Nil		
B.3469	80	86	6	80	0.85	Tr.						80'	94.2		0.10		
B.3470	86	92	6	84	0.865	·77						90'	97.2		0.50		
B.3471	92	98	6	76	0.875	·16							86.8		0.50		

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41/13

242041

PD US 6

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.6 (Cont)
Location PYRAMID SURVEY
N.100, W.400
(CONTINUED)
Collar R.L.
Depression
Bearing

Unit
Bit
Driller
Date commenced
Date completed
Logged by
Assayed by

Drilling Time
Penetration Rate

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3472	98	104	6	81	0.815	Tr.							99.4		0.30		
B.3473	104	110	6	77	0.89	NIL						10'	85.9		Trace		
B.3474	110	116	6	84	0.80	Tr.							105.1		Trace		
B.3475	116	122	6	80	0.835	NIL						20'	95.8		Trace		
B.3476	122	128	6	87	0.805	Tr.							108		0.15		
B.3477	128	134	6	83	0.785	Tr.						30'	105.7		0.15		
B.3478	134	140	6	78	0.76	Tr.							102.6		0.20		
B.3479	140	146	6	83	0.80	NIL						40'	103.7		Trace		
B.3480	146	152	6	77	0.865	NIL						50'	89.1		Trace		
B.3481	152	158	6	87	0.775	Tr.							112.2		Trace		
B.3482	158	164	6	85	0.855	Tr.						60'	99.5		0.10		
B.3483	164	170	6	79	0.86	Tr.							91.9		Trace		
B.3484	170	176	6	76	0.77	Tr.						70'	98.7		Trace		
B.3485	176	182	6	70	0.805	Tr.						80'	86.8		Trace		
B.3486	182	188	6	72	0.72	·26							100		0.30		
B.3487	188	194	6	69	0.69	Tr.						90'	100		0.10		
B.3488	194	200	6	65	0.66	·19							98.5		Trace		

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41/13

242042

PDDS 7

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. PD. U.S. 7
Location PYRAMID SURVEY
S.100, W.600

Collar R.L. 655'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit HAL 578(0-152') S/C 25 (152-200')
Driller M.DAVIES, J. CONNORS.
Date commenced 2nd MARCH
Date completed 4th MARCH
Logged by
Assayed by

Drilling Time 14 HRS. 30 MIN.
Penetration Rate 13.8 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3489	0	2	2	SURFACE SAMPLE		NIL									0.75		
B.3490	2	8	6	92	0.870	.16							105.8		0.50		
B.3491	8	14	6	79	0.905	NIL						10'	87.5		Trace		
B.3492	14	20	6	87	0.985	.39							88.3		0.50		
B.3493	20	26	6	83	0.810	.27						20'	102.5		0.75		
B.3494	26	32	6	80	0.835	NIL							95.8		Trace		
B.3495	32	48	6	85	0.940	NIL						30'	90.4		Trace		
B.3496	38	44	6	85	0.885	.21							96.1		0.25		
B.3497	44	50	6	87	0.850	.55						40'	102.4		0.75		
B.3498	50	56	6	90	0.795	.19							111.8		0.75		
B.3499	56	62	6	81	0.745	.25						50'	108.8		0.30		
B.3500	62	68	6	76	0.740	Tr.							102.8		0.50		
B.3501	68	74	6	79	0.770	Tr.						60'	102.6		0.10		
B.3502	74	80	6	77	0.740	.34							104.1		0.75		
B.3503	80	86	6	85	0.780	.22						70'	109.0		0.50		
B.3504	86	92	6	76	0.670	.41							113.4		0.75		
B.3505	92	98	6	77	0.680	.64						80'	113.3		1.0		
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41/13

242043

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 7 (C6R7)
Location PYRAMID SURVEY
S.100, W.600

Collar R.L. 655'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3.
Bit HAL 578(0'-152') S/C 25(152-200').
Driller M.DAVIES, J.CONNORS
Date commenced 2nd MARCH
Date completed 4th MARCH
Logged by
Assayed by

Drilling Time 14 HRS. 30 MIN.
Penetration Rate 13.8 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3506	98	104	6	77	0.740	.60							104.1		1.25		
B.3507	104	110	6	75	0.700	.51							107.2		1.25		
B.3508	110	116	6	78	0.740	.28						10'	105.4		0.75		
B.3509	116	122	6	104	1.000	Tr.							104.0		0.30		
B.3510	122	128	6	82	0.795	Tr.						20'	103.2		0.10		
B.3511	128	134	6	76	0.745	Tr.							102.1		0.20		
B.3512	134	140	6	76	0.810	NIL						30'	93.8		Trace		
B.3513	140	146	6	85	0.820	.12							103.7		0.20		
B.3514	146	152	6	82	0.74	.49						40'	110.8		1.25		
B.3515	152	158	6	83	0.800	.12							103.8		1.0		
B.3516	158	164	6	66	0.670	Tr.						50'	98.5		0.5		
B.3517	164	170	6	67	0.725	Tr.							92.4		0.2		
B.3518	170	176	6	70	0.735	Tr.						60'	95.3		0.1		
B.3519	176	182	6	75	0.740	.72							101.3		1.15		
B.3520	182	188	6	72	0.705	.11						70'	102.2		0.75		
B.3521	188	194	6	70	0.675	Tr.							103.8		0.25		
B.3522	194	200	6	64	0.625	NIL						80'	102.4		Trace.		
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

~~242044~~

41/13

PD058

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 8
Location PYRAMID SURVEY
S.100, W.400

Collar R.L. 655'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit HAL 578(0-128') S/C 25(128'-150')
Driller M.DAVIES, J. CONNORS.
Date commenced 4th MARCH
Date completed 6th MARCH
Logged by
Assayed by

Drilling Time 8 HRS. 15 MINS.
Penetration Rate 18.2 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx Sn %	COLOUR	DESCRIPTION
B.3523	0	2	2	SURFACE SAMPLE		NIL									0.25		
B.3524	2	8	6	79	0.785	Tr.							100.6		0.50		
B.3525	8	14	6	79	0.735	.13						10'	107.5		0.20		
B.3526	14	20	6	81	0.850	NIL							95.3		Trace		
B.3527	20	26	6	73	0.920	NIL						20'	79.4		0.10		
B.3528	26	32	6	81	0.905	Tr.							89.5		0.15		
B.3529	32	38	6	82	1.005	Tr.						30'	81.6		Trace		
B.3530	38	44	6	80	0.835	Tr.							95.8		0.15		
B.3531	44	50	6	78	0.815	Tr						40'	95.6		0.15		
B.3532	50	56	6	77	0.810	Tr.							95.2		0.20		
B.3533	56	62	6	77	1.00	Tr.						50'	77.0		Trace		
B.3534	62	68	6	75	0.920	Tr.							81.5		Trace		
B.3535	68	74	6	75	0.790	.22						60'	94.9		0.25		
B.3536	74	80	6	71	0.905	Tr.							78.4		0.10		
B.3537	80	86	6	76	0.895	.27						70'	84.9		0.50		
B.3538	86	92	6	79	0.745	.46							106.2		1.00		
B.3539	92	98	6	65	0.765	.12						80'	84.9		0.20		
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-897

41/13

242045

PDUS 8 cont

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre _____ Unit _____

Bore No. P.D. U.S. 8 CONT'D. Bit _____

Location _____ Driller _____

_____ Date commenced _____

_____ Date completed _____

Collar R.L. _____ Logged by _____

Depression _____ Assayed by _____

Bearing _____ _____

_____ Drilling Time _____

_____ Penetration Rate _____

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx iSn. %	COLOUR	DESCRIPTION
B.3540	98	104	6	72	0.720	Tr.					100		0.10		
B.3541	104	110	6	72	0.795	Tr.					90.6		Trace		
B.3542	110	116	6	74	0.740	.10					100		0.10		
B.3543	116	122	6	68	0.975	Tr.					69.8		Trace		
B.3544	122	128	6	71	0.735	Tr.					96.6		0.10		
B.3545	128	134	6	62	0.620	Tr.					100		0.20		
B.3546	134	140	6	62	0.640	Tr.					96.9		Trace		
B.3547	140	146	6	63	0.635	Tr.					99.3		Trace		
B.3548	146	150	4	25	0.265	NIL					95.4		Trace		

GRAPHIC ASSAY LOG % CALCINED Fe

GRAPHIC LITHOLOGIC LOG

10' 20' 30' 40' 50' 60' 70' 80' 90'

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium _____ Hematite _____ Limonite _____ Chert _____ Clay _____

Natural Fe _____ Calcined Fe _____ _____ _____ _____

65-397

41/13

242046

PDUS 9

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 9
Location PYRAMID SURVEY
S.100, W.200

Collar R.L. 680'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3.
Bit HALCO 578
Driller M.DAVIES, J. CONNORS
Date commenced 8TH MARCH
Date completed 8TH MARCH
Logged by
Assayed by

Drilling Time 5 HRS.
Penetration Rate 10FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx Sn %	COLOUR	DESCRIPTION
B.3549	0	2	2	SURFACE SAMPLE		·09											
B.3550	2	8	6	64	0.620	·05							103.3		0.10		
B.3551	8	14	6	61	0.740	·02						10'	82.4		Nil		
B.3552	14	20	6	64	0.72	·03							88.8		Nil		
B.3553	20	26	6	59	0.69	·04						20'	85.5		Nil		
B.3554	26	32	6	65	0.82	·02						30'	79.2		Nil		
B.3555	32	38	6	67	0.780	·05							85.8		Nil		
B.3556	38	44	6	66	0.780	·03						40'	84.7		Nil		
B.3557	44	50	6	68	0.745	·03							91.3		Nil		
						·04						50'					
B.3558	0'	50	50	DRY DUST SAMPLE								60'					
												70'					
												80'					
												90'					

Samples not forwarded for assay hole on dyke??

Prepared by _____ Checked by _____ Date _____ LEGEND

Alluvium | Hematite | Limonite | Chert | Clay
Natural Fe | Calcined Fe

65-397

41/13

242047

PDDS 10

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S.10
Location PYRAMID SURVEY
S.100, E.0
Collar R.L. 760'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit
Driller M.DAVIES, J. CONNORS.
Date commenced 9TH MARCH
Date completed 9TH MARCH
Logged by
Assayed by

Drilling Time 2 HRS. 25 MINS.
Penetration Rate 20.7 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx Sn %	COLOUR	DESCRIPTION
B.3559	0	2	2	SURFACE SAMPLE		·07											
B.3560	2	8	6	83	0.950	·04							87.4		Nil		
B.3561	8	14	6	79	0.870	·08						10'	90.8		Nil		
B.3562	14	20	6	82	1.01	·03							81.3		Nil		
B.3563	20	26	6	76	0.825	·22						20'	92.2		Nil		
B.3564	26	32	6	81	0.760	·05							106.6		Nil		
B.3566	32	38	6	83	0.885	·04						30'	93.8		Nil		
B.3567	38	44	6	80	0.770	·05							103.9		Nil		
B.3568	44	50	6	80	0.805	·07						40'	99.5		Nil		
												50'					
B.3565	0	32	32	DUST SAMPLE		·04						60'			Nil		
B.3569	32	50	18	DUST SAMPLE		·05						70'			Nil		
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay
Natural Fe | Calcined Fe

65-397

41113

242048

PD US 11

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 11.
Location PYRAMID SURVEY
S.100 E.200

Collar R.L. 664'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3.
Bit A. 66
Driller M.DAVIES, J.CONNORS
Date commenced 10TH MARCH
Date completed 10TH MARCH
Logged by
Assayed by

Drilling Time 4 HRS.
Penetration Rate 18.5 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx Sn %	COLOUR	DESCRIPTION
B.3861	0	2.6'	2.6	SURFACE SAMPLE		.41									0.35		
B.3862	2.6	8	5.6	73	0.870	.73							83.8		0.50		
B.3563	8	14	6	81	0.835	.26						10'	97.0		0.60		
B.3864	14	20	6	75	0.845	.28							88.8		0.20		
B.3865	20	26	6	78	0.950	.33						20'	82.2		0.50		
B.3867	26	32	6	70	0.870	Tr.							80.4		0.10		
B.3868	32	38	6	77	0.880	.23						30'	87.5		0.30		
B.3869	38	44	6	78	0.980	Tr.							79.6		Trace		
B.3870	44	50	6	80	0.920	Tr.						40'	86.9		Trace		
B.3871	50	56	6	82	0.795	.24							103.2		0.10		
B.3872	56	62	6	73	0.875	.03						50'	83.4		Trace		
B.3874	62	68	6	79	0.850	.04							93.0				
B.3875	68	74	6	77	0.805	.05						60'	95.7		0.10		
B.3866	0	32	DUST SAMPLE			.25						70'					
B.3873	32	62	DUST SAMPLE			.06						80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay

Natural Fe | Calcined Fe

65-397

41113

242049

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER. TAS.
Bore No. P.D. U.S. 12
Location PYRAMID SURVEY
S.300, E.400

Collar R.L. 630'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3.
Bit S/C 212
Driller M.DAVIES, J. CONNORS.
Date commenced 11TH MARCH
Date completed 11TH MARCH
Logged by
Assayed by

Drilling Time 1 HR. 45 MINS.
Penetration Rate 28.6 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn. %	COLOUR	DESCRIPTION
B.3876	0	2	2	SURFACE	SAMPLE	.04									Trace		
B.3877	2	8	6	69	0.870	.02							79.3		Trace		
B.3878	8	14	6	68	0.820	.04						10'	82.9		Nil		
B.3879	14	20	6	64	0.845	.03						20'	75.8		Trace		
B.3880	20	26	6	64	0.875	.04							73.2		Nil		
B.3881	26	32	6	66	0.940	.04						30'	70.3		Nil		
B.3882	32	38	6	70	1.050	.04							69.3		Nil		
B.3883	38	44	6	62	1.025	.05						40'	60.5		Nil		
B.3884	44	50	6	62	0.875	.05							70.8		Nil		
												50'					
B.3885	0	50	50	DUST	SAMPLE	.05						60'			Nil		
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41113

242050

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 13
Location PYRAMID SURVEY
S.100, E.400

Collar R.L. 590'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.3
Bit S/C212 (0-38') SC25 (38-50')
Driller M.DAVIES, J.CONNORS.
Date commenced 12TH MARCH
Date completed 12TH MARCH
Logged by
Assayed by

Drilling Time 3 HRS. 10 MINS.
Penetration Rate 15.75 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3886	0	2	2	SURFACE	SAMPLE	.10									Trace		
B.3887	2	8	6	66	0.720	.24							92.9		0.10		
B.3888	8	14	6	70	0.930	Tr						10'	75.3		0.10		
B.3889	14	20	6	65	0.740	.36							87.8		0.60		
B.3890	20	26	6	71	0.760	.25						20'	93.4		0.60		
B.3891	26	32	6	75	0.840	.20						30'	89.4		0.20		
B.3892	32	38	6	66	0.870	.13							75.8		0.10		
B.3893	38	44	6	69	0.820	.39						40'	82.9		0.25		
B.3984	44	50	6	56	0.695	Tr						50'	81.2		0.10		
B.3995	0	50	50	DUST	SAMPLE	0.18									Nil		
												60'					
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

ASSAY SECTIONS
OF
PERCUSSION DRILL HOLES
P.D.U.S. 14-26 PART 2

65-397

41/13

242051

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 14
Location N100, E200.
PYRAMID SURVEY

Collar R.L. 615'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.3
~~HALCO 578(0-80')S/C212~~
Bit (80-146') S/C25 (146-200')
Driller M.DAVIES, J.CONNORS.
Date commenced 15TH MARCH
Date completed 18TH MARCH
Logged by
Assayed by

Drilling Time 14 HRS. 40 MINS.
Penetration Rate 13.64 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3896	0	2	2	Surface	Sample	0.23									0.20		
B.3897	2	8	6	78	1.205	.12							64.7		Trace		
B.3898	8	14	6	88	0.880	.12						10'	100.0		Trace		
B.3899	14	20	6	91	1.050	.04						20'	86.7		Nil		
B.3900	20	26	6	83	0.980	.04							84.7		Nil		
B.3901	26	32	6	89	0.805	Tr						30'	110.6		Trace		
B.3902	32	38	6	86	0.695	.39							123.8		1.25		
B.3903	38	44	6	81	0.710	.14						40'	114.2		0.75		
B.3904	44	50	6	100	0.870	.12							114.9		0.25		
B.3906	50	56	6	97	0.865	.12						50'	112.1		0.10		
B.3907	56	62	6	89	1.035	Nil						60'	86.1		Trace		
B.3908	62	68	6	92	0.950	Tr							96.9		Trace		
B.3909	68	74	6	101	0.830	.27						70'	121.7		0.50		
B.3910	74	80	6	88	0.820	.22						80'	107.4		0.25		
B.3912	80	86	6	66	0.805	.19							82.0		0.10		
B.3913	86	92	6	82	0.735	.21						90'	111.7		0.10		
B.3914	92	98	6	72	0.890	.05							80.8		Trace		

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

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242052

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre _____ Unit _____
Bore No. PD. U.S. 14 CONT'D. Bit _____
Location _____ Driller _____
_____ Date commenced _____
_____ Date completed _____
Collar R.L. _____ Logged by _____
Depression _____ Assayed by _____
Bearing _____ _____
_____ Drilling Time _____
_____ Penetration Rate _____

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3915	98	104	6	68	0.880	Tr							77.5				
B.3916	104	110	6	86	0.820	.25						110'	104.9				
B.3918	110	116	6	83	0.835	.23							99.4				
B.3919	116	122	6	74	0.685	.11						120'	108.1				
B.3920	122	128	6	62	0.770	Tr							80.5				
B.3921	128	134	6	63	0.690	.12						130'	91.4				
B.3922	134	140	6	72	0.755	.36							95.5				
B.3924	140	146	6	67	0.725	0.17						140'	92.5				
B.3925	146	152	6	66	0.730	.13						150'	90.4				
B.3926	152	158	6	64	0.665	Tr							95.8				
B.3927	158	164	6	60	0.940	.17						160'	63.8				
B.3928	164	170	6	58	0.680	Tr							85.4				
B.3930	170	176	6	58	0.605	Tr						170'	95.9				
B.3931	176	182	6	70	0.655	.24						180'	106.8				
B.3932	182	188	6	58	0.610	.11							95.1				
B.3933	188	194	6	44	0.560	.11						190'	78.6				
B.3934	194	200	6	51	0.590	Tr							86.5				

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium _____ Hematite _____ Limonite _____ Chert _____ Clay _____
Natural Fe _____ Calcined Fe _____ _____ _____ _____

65-397

41/13

242053

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre _____ Unit _____

Bore No. P.D. U.S. 14 (CONT'D). Bit _____

Location _____ Driller _____

_____ Date commenced _____

_____ Date completed _____

Collar R.L. _____ Logged by _____

Depression _____ Assayed by _____

Bearing _____ _____

_____ Drilling Time _____

_____ Penetration Rate _____

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn %	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR		DESCRIPTION
B.3905	0	50	50	DUST SAMPLE		0.13									Nil			
B.3911	50	80	30	DUST SAMPLE		0.11									Nil			
B.3917	80	110	30	DUST SAMPLE		0.12									Nil			
B.3923	110	140	30	DUST SAMPLE		0.10									Nil			
B.3929	140	170	30	DUST SAMPLE		0.07									Nil			

10′ 20′ 30′ 40′ 50′ 60′ 70′ 80′ 90′

Prepared by _____ Checked by _____ Date _____ LEGEND

Alluvium _____ Hematite _____ Limonite _____ Chert _____ Clay _____

Natural Fe _____ Calcined Fe _____ _____ _____ _____

65-397

41/13

242054

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 15
Location N.300, E.00
PYRAMID SURVEY
Collar R.L. 650'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.3
Bit HALCO 578
Driller M.DAVIES, J.CONNORS.
Date commenced 18TH MARCH
Date completed 19TH MARCH
Logged by
Assayed by

Drilling Time 6 HRS. 50 MINS.
Penetration Rate 14.32 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3935	0	2.35	2.35	SURFACE SAMP.		0.58									0.50		
B.3936	2.35	8	5.65	53	0.955	0.11							55.5		0.10		
B.3937	8	14	6	60	0.845	0.14						10'	71.0		Trace		
B.3938	14	20	6	81	0.840	0.65							96.5		0.10		
B.3939	20	26	6	76	0.910	Tr						20'	83.5		Trace		
B.3940	26	32	6	80	0.835	Tr							95.8		Trace		
B.3941	32	38	6	79	0.925	Tr						30'	85.4		Trace		
B.3942	38	44	6	72	1.030	Nil						40'	69.8		Nil		
B.3943	44	50	6	76	0.740	0.16							102.8		0.35		
B.3944	50	56	6	72	0.865	Tr						50'	83.3		0.32		
B.3945	56	62	6	81	0.870	.34						60'	93.1		0.29		
B.3946	62	68	6	78	0.770	.35							101.3		0.20		
B.3947	68	74	6	77	0.825	.11						70'	93.4		0.10		
B.3948	74	80	6	79	0.830	Tr							95.3		Trace		
B.3949	80	86	6	75	0.875	Tr						80'	85.6		Trace		
B.3950	86	92	6	76	0.800	Tr						90'	95.0		Trace		
B.3951	92	98	6	72	0.770	.36							93.5		0.10		

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41/13

242055

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 16
Location PYRAMID SURVEY
N.100, W.200

Collar R.L. 675'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK, MK.III
Bit HALCO 599
Driller M.DAVIES, J.CONNORS.
Date commenced 22ND MARCH
Date completed 22ND MARCH
Logged by
Assayed by

Drilling Time 2 HRS. 20 MINS.
Penetration Rate 21.43 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3952	0	2.1	2.1	SURFACE SAMP.		Tr									0.11		
B.3953	2.1	8	5.9	80	0.895	0.11							89.4		0.12		
B.3954	8	14	6	73	0.860	Tr						10'	84.9		0.45		
B.3955	14	20	6	80	0.885	Tr						20'	90.4		0.10		
B.3956	20	26	6	78	0.895	Tr							87.2		Trace		
B.3957	26	32	6	76	0.840	Nil						30'	90.4		Trace		
B.3958	32	38	6	80	0.865	Tr							92.5		Trace		
B.3959	38	44	6	82	0.910	Tr						40'	90.2		Trace		
B.3960	44	50	6	66	0.850	Nil						50'	77.7		Trace		
												60'					
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay

Natural Fe | Calcined Fe

65-397

41113

242056

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 17
Location PYRAMID SURVEY
S.300, E.200

Collar R.L. 655'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.3
Bit H/S 195
Driller M.DAVIES, J. CONNORS.
Date commenced 22ND MARCH
Date completed 23RD MARCH
Logged by
Assayed by

Drilling Time 1 HR. 45 MIN.
Penetration Rate 28.59 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn. %	COLOUR
B.3961	0	2.4	2.4	SURFACE SAMP.		.07							Trace	
B.3962	2.4	8	5.6	66	0.980	.07					67.4		Nil	
B.3963	8	14	6	72	1.02	.05					70.6		Nil	
B.3964	14	20	6	78	1.095	.09					71.3		Nil	
B.3965	20	26	6	70	0.735	.06					95.3		Nil	
B.3966	26	32	6	75	1.070	.06					70.2		Nil	
B.3967	32	38	6	75	1.02	.06					73.6		Nil	
B.3968	38	44	6	72	1.070	.05					67.3		Nil	
B.3969	44	50	6	74	1.135	.05					65.2		Nil	

GRAPHIC ASSAY LOG % CALCINED Fe (5 10 15 20 25 30 35 40 45 50 55 60 65)

GRAPHIC LITHOLOGIC LOG (10' 20' 30' 40' 50' 60' 70' 80' 90')

DESCRIPTION

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

4113

242057

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 18
Location PYRAMID SURVEY
S.300, W.200

Collar R.L. 600'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.3
Bit HALCO 591(0-30')H/S12388(30-50).
Driller M.DAVIES, J.CONNORS
Date commenced 23RD MARCH
Date completed 24TH MARCH
Logged by
Assayed by

Drilling Time 5 HRS.
Penetration Rate 10 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3970	0	2	2	SURFACE	SAMP.	Nil									Nil		
B.3971	2	8	6	70	0.935	Tr							74.9		Trace		
B.3972	8	14	6	73	0.940	Tr							77.7		0.16		
B.3973	14	20	6	85	0.870	0.11							97.8		0.20		
B.3974	20	26	6	71	0.855	Tr							83.1		0.10		
B.3975	26	32	6	78	0.855	Nil							91.3		Trace		
B.3976	32	38	6	77	0.850	Tr							90.6		Trace		
B.3977	38	44	6	71	0.905	Nil							78.5		Trace		
B.3978	44	50	6	67	0.725	Tr							92.4		0.10		

GRAPHIC ASSAY LOG % CALCINED Fe: 55 60 65 70 75 80 85 90 95

GRAPHIC LITHOLOGIC LOG: 10' 20' 30' 40' 50' 60' 70' 80' 90'

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397 41/13

242058

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 19
Location PYRAMID SURVEY
S.300, E00

Collar R.L. 658'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.3
Bit A.66
Driller M.DAVIES, J.CONNORS.
Date commenced 6TH APRIL
Date completed 6TH APRIL
Logged by
Assayed by

Drilling Time 3 HRS.
Penetration Rate 16.66 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn %	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3979	0	2	2			Tr									0.10		
B.3980	2	8	6	68	0.920	Tr							74.7		Trace		
B.3981	8	14	6	68	0.955	Tr						10'	71.3		Trace		
B.3982	14	20	6	73	1.095	Tr							66.7		Trace		
B.3983	20	26	6	72	1.090	Tr						20'	66.1		Nil		
B.3984	26	32	6	71	1.100	0.11							64.6		Nil		
B.3985	32	38	6	75	1.100	Tr						30'	68.2		Trace		
B.3986	38	44	6	78	0.950	Tr							82.1		0.10		
B.3987	44	50	6	72	0.800	0.14						40'	90.0		0.16		
												50'					
												60'					
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay

Natural Fe | Calcined Fe

65-397

41113

242059

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 20
Location PYRAMID SURVEY
S.300, W.600

Collar R.L. 580'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.III
Bit H/S 578(0-40'),H/S 12898(40-74'). H/S 12388 (74-152').
Driller M.DAVIES, J.CONNORS.
Date commenced 7TH APRIL
Date completed 10TH APRIL
Logged by
Assayed by

Drilling Time 17 HRS. 30 MIN.
Penetration Rate 8.69 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn %	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
B.3988	0	2	2	SURFACE	SAMP.	Tr									Trace		
B.3989	2	8	6	87	0.950	Tr							91.6		0.10		
B.3990	8	14	6	72	0.770	Tr						10'	93.5		0.10		
B.3991	14	20	6	75	0.880	Tr							85.2		0.14		
B.3992	20	26	6	70	0.820	0.19						20'	85.4		0.20		
B.3993	26	32	6	71	0.830	Tr							85.6		0.10		
B.3994	32	38	6	74	0.820	0.21						30'	90.2		0.20		
B.3995	38	44	6	75	0.850	0.39							88.2		0.25		
B.3996	44	50	6	76	0.790	0.47						40'	96.2		0.40		
B.3997	50	56	6	65	0.785	1.53							82.8		0.85		
B.3998	56	62	6	75	0.800	0.39						50'	93.8		0.80		
B.3999	62	68	6	76	0.760	0.18							100		0.30		
B.4000	68	74	6	73	0.800	0.42						60'	91.3		0.85		
CR.5691	74	80	6	63	0.800	0.40							78.8		0.82		
CR.5692	80	86	6	57	0.745	0.33						70'	76.5		0.52		
CR.5693	86	92	6	58	0.695	0.90							83.4		1.50		
CR.5694	92	98	6	48	0.515	0.28						80'	93.2		1.10		
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

242060

41/13

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre _____ Unit _____

Bore No. P.D.U.S. 20 (CONT'D). Bit _____

Location _____ Driller _____

_____ Date commenced _____

_____ Date completed _____

Collar R.L. _____ Logged by _____

Depression _____ Assayed by _____

Bearing _____ _____

_____ Drilling Time _____

_____ Penetration Rate _____

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
CR.5695	98	104	6	63	0.660	0.20							95.4		0.40		
CR.5696	104	110	6	69	0.705	0.15							97.8		0.40		
CR.5697	110	116	6	73	0.780	0.14						110'	93.6		0.25		
CR.5698	116	122	6	60	0.765	0.23						120'	78.4		0.18		
CR.5699	122	128	6	70	0.725	0.12							96.6		0.10		
CR.5700	128	134	6	70	0.695	Tr						130'	100.7		0.10		
CR.5701	134	140	6	65	0.740	Tr							87.8		Trace		
CR.5702	140	146	6	68	0.730	Tr						140'	93.2		Trace		
CR.5703	146	152	6	74	0.725	Tr							102.2		Trace		
												150'					
												160'					
												170'					
												180'					
												190'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium _____ Hematite _____ Limonite _____ Chert _____ Clay _____

Natural Fe _____ Calcined Fe _____ _____ _____ _____

65-397

41113

242061

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre: SCAMANDER. TAS.
Bore No.: PD. U.S. 21
Location: PYRAMID SURVEY
S.100, W.800

Collar R.L.: 549'
Depression: VERTICAL
Bearing: -

Unit: HALCO STENUCIK MK.III
Bit: HALCO 591
Driller: M.DAVIES, J. CONNORS
Date commenced: 10TH APRIL
Date completed: 10TH APRIL
Logged by:
Assayed by:

Drilling Time: 1 HR. 15 MINS.
Penetration Rate: 40 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn %	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
CR.5704	0	2	2	SURFACE	SAMP.	0.07									0.16		
CR.5705	2	8	6	72	0.955	Tr							75.4		Trace		
CR.5706	8	14	6	80	1.120	Tr						10'	71.5		Nil		
CR.5707	14	20	6	78	1.105	Tr							70.6		Nil		
CR.5708	20	26	6	77	1.060	Tr						20'	72.6		Nil		
CR.5709	26	32	6	80	1.040	Tr							76.9		Nil		
CR.5710	32	38	6	74	1.070	Tr						30'	69.2		Trace		
CR.5711	38	44	6	79	1.065	Tr							74.2		Trace		
CR.5712	44	50	6	77	0.915	0.01						40'	84.2		Trace		
												50'					
												60'					
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay

Natural Fe | Calcined Fe

65-397

41113

242062

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 22
Location PYRAMID SURVEY
N.1100, W.3600
Collar R.L. 705'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.III
Bit A.66 (0-38') H/S578 (38-146')
Driller M.DAVIES, J. CONNORS
Date commenced 13TH APRIL
Date completed 22ND APRIL
Logged by
Assayed by

Drilling Time 13 HRS.
Penetration Rate 11.23 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %
CR.5713	0	2	2	SURFACE SAMP.		.02							0.10
CR.5714	2	8	6	78	0.875	.02					89.2		0.15
CR.5715	8	14	6	84	0.870	.12					97.6		0.15
CR.5716	14	20	6	83	0.905	.04					92.8		0.20
CR.5717	20	26	6	85	0.905	.01					93.9		0.18
CR.5718	26	32	6	87	0.850	.03					102.4		0.18
CR.5719	32	38	6	90	0.875	.04					102.8		0.15
CR.5720	38	44	6	93	0.920	.05					101.2		0.10
CR.5721	44	50	6	82	0.845	.04					97.0		0.18
CR.5722	50	56	6	91	0.875	.04					104.0		0.14
CR.5723	56	62	6	95	0.815	.03					116.5		0.14
CR.5724	62	68	6	85	0.835	.02					101.8		0.12
CR.5725	68	74	6	108	1.095	.05					98.7		0.12
CR.5726	74	80	6	91	0.950	.07					95.8		0.15
CR.5727	80	86	6	91	0.935	.03					97.3		0.15
CR.5728	86	92	6	96	0.990	.01					97.0		0.15
CR.5729	92	98	6	73	0.720	.01					101.4		0.21

GRAPHIC ASSAY LOG % CALCINED Fe (51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68)

GRAPHIC LITHOLOGIC LOG (10' 20' 30' 40' 50' 60' 70' 80' 90')

COLOUR

DESCRIPTION

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41/13

242063

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre _____ Unit _____
Bore No. P.D. U.S. 22 (CONT'D.) Bit _____
Location _____ Driller _____
_____ Date commenced _____
_____ Date completed _____
Collar R.L. _____ Logged by _____
Depression _____ Assayed by _____
Bearing _____ _____
_____ Drilling Time _____
_____ Penetration Rate _____

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
CR.5730	98	104	6	85	0.850	Tr							100.0		Trace		
CR.5731	104	110	6	89	0.915	Tr						10'	97.3		Trace		
CR.5752	110	116	6	75	0.790	.02							94.9		Trace		
CR.5733	116	122	6	81	0.800	.01						20'	101.3		0.10		
CR.5734	122	128	6	72	0.785	Tr							91.7		Nil		
CR.5735	128	134	6	81	0.880	.01						30'	92.0		Trace		
CR.5736	134	140	6	83	0.920	.01							90.3		Trace		
CR.5737	140	146	6	46	0.620	.01						40'	74.2		Nil		
												50'					
HOLE ABANDONED DUE TO THE PRESENCE OF WATER AT 146'.												60'					
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium _____ Hematite _____ Limonite _____ Chert _____ Clay _____
Natural Fe _____ Calcined Fe _____ _____ _____ _____

65-397

4113

242064

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 23
Location N.1100, W.2900
PYRAMID SURVEY.

Collar R.L. 635'
Depression VERTICAL
Bearing

Unit HALCO STENUICK MK.III
Bit HALCO 591
Driller M.DAVIES, J. CONNORS.
Date commenced 13TH MAY
Date completed 13TH MAY
Logged by
Assayed by

Drilling Time 2 HRS.
Penetration Rate 25 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
CR.5970	0	2	2	SURFACE	SAMP.	<.01									Nil		
CR.5971	2	8	6	68	0.880	.02							77.3		Nil		
CR.5972	8	14	6	77	1.080	.04						10'	71.4		Nil		
CR.5973	14	20	6	83	1.145	.03							72.5		Nil		
CR.5974	20	26	6	79	1.130	.02						20'	70.0		Nil		
CR.5975	26	32	6	77	1.040	.03						30'	74.1		Nil		
CR.5976	32	38	6	84	1.085	<.01							77.4		Nil		
CR.5977	38	44	6	79	0.995	.02						40'	79.4		Nil		
CR.5978	44	50	6	96	1.185	.02							81.1		Nil		
												50'					
												60'					
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay
Natural Fe | Calcined Fe

65-397

41/13

242065

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 24
Location PYRAMID SURVEY
N.300, W.1800

Collar R.L. 602'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.III
Bit HALCO 591
Driller M.DAVIES, J. CONNORS.
Date commenced 14TH MAY
Date completed 14TH MAY
Logged by
Assayed by

Drilling Time 1 HR.
Penetration Rate 50 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
NO SURFACE SAMPLE TAKEN.																	
CR.5979	2	8	6	52	0.865	.06							60.2		Tr		
CR.5980	8	14	6	74	1.090	.05						10'	67.9		0.10		
CR.5981	14	20	6	70	1.110	.04							63.1		Tr		
CR.5982	20	26	6	87	1.190	<.01						20'	73.1		Nil		
CR.5983	26	32	6	84	1.130	.01							74.3		Tr		
CR.5984	32	38	6	83	1.080	.02						30'	76.9		Tr		
CR.5985	38	44	6	76	0.985	.02							77.2		Tr		
CR.5986	44	50	6	85	1.070	.02						40'	79.4		Tr		
												50'					
												60'					
												70'					
												80'					
												90'					

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

41/13

242066

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre SCAMANDER, TAS.
Bore No. P.D.U.S. 25
Location PYRAMID SURVEY
N.300, W.900

Collar R.L. 624'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK, MK.III
Bit Halco 591(0-31'),S/C 198(31-67').
~~Halco 12388(67-133') S/C 17(133-151').~~
Driller M.DAVIES, J.CONNORS.
Date commenced 14TH MAY
Date completed
Logged by
Assayed by

Drilling Time 20 HRS.
Penetration Rate 7.55 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
CR.5987	0	1	1	SURFACE	SAMP.	.18									0.11		
CR.5988	1	7	6	69	0.995	.03							69.4		Nil		
CR.5989	7	13	6	52	0.870	.02						10'	59.8		Nil		
CR.5990	13	19	6	74	0.905	<.01							81.8		Tr		
CR.5991	19	25	6	80	0.935	.02						20'	85.6		Tr		
CR.5992	25	31	6	105	1.125	.02						30'	92.5		Tr		
CR.5993	31	37	6	68	0.855	.03							79.5		0.10		
CR.5994	37	43	6	68	1.050	<.01						40'	64.8		Tr		
CR.5995	43	49	6	79	1.055	.07							74.8		Tr		
CR.5996	49	55	6	74	0.775	.09						50'	95.5		0.10		
CR.5997	55	61	6	88	0.920	.10						60'	95.6		0.11		
CR.5998	61	67	6	90	1.090	.07							82.6		0.11		
CR.5999	67	73	6	55	0.920	<.01						70'	59.8		Tr		
CR.6000	73	79	6	51	0.845	<.01							60.4		Nil		
CR.5655	79	85	6	78	0.900	.09						80'	86.6		0.12		
CR.5656	85	91	6	74	0.760	.54						90'	97.5		1.50		
CR.5657	91	97	6	75	0.770	.22							97.5		0.32		
CR.5658	97	103	6	80	0.825	.04							97.0		0.10		

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397 41/13

242067

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre _____ Unit _____

Bore No. P.D. U.S. 25 (CONT'D.) Bit _____

Location _____ Driller _____

_____ Date commenced _____

_____ Date completed _____

Collar R.L. _____ Logged by _____

Depression _____ Assayed by _____

Bearing _____ _____

_____ Drilling Time _____

_____ Penetration Rate _____

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No..	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	ASSAY SiO_2	ASSAY Al_2O_3	ASSAY Ig. loss	ASSAY Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
CR.5659	103	109	6	70	0.755	.08							92.8		Tr		
CR.5660	109	115	6	71	0.670	.01						10′	106.2		0.10		
CR.5661	115	121	6	77	0.780	.09						20′	98.8		0.12		
CR.5662	121	127	6	67	0.710	.03							94.4		0.19		
CR.5663	127	133	6	70	0.730	.12						30′	95.9		Tr		
CR.5664	133	139	6	81	0.830	.09							97.5		Tr		
CR.5665	139	145	6	59	0.615	.01						40′	95.9		Tr		
CR.5666	145	151	6	64	0.795	.01						50′	80.5		Nil		
												60′					
												70′					
												80′					
												90′					

Prepared by _____ Checked by _____ Date _____ LEGEND

Alluvium _____ Hematite _____ Limonite _____ Chert _____ Clay _____

Natural Fe _____ Calcined Fe _____ _____ _____ _____

65-397

41/13

242068

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

PDUS 26

Centre SCAMANDER, TAS.
Bore No. P.D. U.S. 26
Location PYRAMID SURVEY
O. O.

Collar R.L. 712'
Depression VERTICAL
Bearing -

Unit HALCO STENUICK MK.III
Bit HALCO 591
Driller M.DAVIES, J.CONNORS.
Date commenced 19TH MAY
Date completed 22ND MAY
Logged by
Assayed by

Drilling Time 18 HRS.
Penetration Rate 8.77 FT./HR.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR	DESCRIPTION
CR.5831	0	2	2	SURFACE	SAMP.	.06									Nil		
CR.5832	2	8	6	46	0.675	.06							68.2		Nil		
CR.5833	8	14	6	61.	0855	.11						10'	71.3		Nil		
CR.5834	14	20	6	82	1.030	.03						20'	79.7		Nil		
CR.5835	20	26	6	85	0.995	<.01							86.3		Nil		
CR.5836	26	32	6	80	0.960	<.01						30'	83.4		Nil		
CR.5837	32	38	6	78	0.920	<.01							84.7		Nil		
CR.5838	38	44	6	91	0.920	.11						40'	98.9		0.19		
CR.5839	44	50	6	88	0.880	.15							100.0		0.10		
CR.5840	50	56	6	92	0.950	.17						50'	96.8		0.90		
CR.5841	56	62	6	88	0.875	.39						60'	100.6		0.98		
CR.5842	62	68	6	80	1.010	.18							79.3		0.75		
CR.5843	58	74	6	91	0.905	.05						70'	100.5		0.25		
CR.5844	74	80	6	87	0.830	.24							104.9		0.46		
CR.5845	80	86	6	83	0.905	.09						80'	91.7		0.29		
CR.5846	86	92	6	95	0.920	.21						90'	103.2		0.60		
CR.5847	92	98	6	88	0.920	.14							95.7		0.32		

Prepared by _____ Checked by _____ Date _____

LEGEND: Alluvium; Hematite; Limonite; Chert; Clay; Natural Fe; Calcined Fe

65-397

A1113

242069

DRILLING RECORD

THE BROKEN HILL PROPRIETARY CO. LTD.
RAW MATERIALS AND EXPLORATION

Centre _____ Unit _____
Bore No. P.D.U.S. 26 (CONT'D.) Bit _____
Location _____ Driller _____
_____ Date commenced _____
_____ Date completed _____
Collar R.L. _____ Logged by _____
Depression _____ Assayed by _____
Bearing _____ _____
_____ Drilling Time _____
_____ Penetration Rate _____

PDUS 26 CONT.

WEIGHTED AVERAGES AND COMPOSITES

Original Sample Nos.	Composite No.	Footage From	Footage To	Interval Ft.	Fe	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	P	S	TiO_2	CaO	MgO	Mn	FeO			

SAMPLE No.	FOOTAGE From	FOOTAGE To	INTERVAL Ft.	RECOVERY Lbs.	RECOVERY Cub. Ft.	ASSAY Sn%	SiO_2	Al_2O_3	Ig. loss	Calc. Fe	GRAPHIC ASSAY LOG % CALCINED Fe	GRAPHIC LITHOLOGIC LOG	DENSITY OF CUTTINGS lbs./cub. ft.	MAX. DIAM. CUTTINGS	Approx. Sn %	COLOUR		DESCRIPTION
CR.5848	98	104	6	72	0.815	.14							88.3		0.35			
CR.5849	104	110	6	85	0.875	.10						110'	97.2		0.20			
CR.5850	110	116	6	84	0.860	.27							96.6		0.52			
CR.5851	116	122	6	78	0.790	.26						120'	98.8		0.30			
CR.5852	122	128	6	94	0.915	.18							102.8		0.35			
CR.5853	128	134	6	76	0.760	.15						130'	100.0		0.20			
CR.5854	134	140	6	78	0.840	.03							92.8		0.10			
CR.5855	140	146	6	84	0.850	.07						140'	98.8		0.19			
CR.5856	146	152	6	77	0.755	.07						150'	102.1		Tr			
CR.5857	152	158	6	76	0.750	.03							101.2		Nil			
												160'						
												170'						
												180'						
												190'						

Prepared by _____ Checked by _____ Date _____

LEGEND

Alluvium | Hematite | Limonite | Chert | Clay
Natural Fe | Calcined Fe | _____ | _____ | _____