

PROJECT/E.L.: Langloh EL27/79 RIG/METHOD: Fox B80, Core TOTAL DEPTH: 36.0m
HOLE NO.: H-23 CORE SIZE: NQ (12.0-36.0) DRILLER/ASSISTANT: W.B. P.D.
LOCATION: 483,402mE, 5,289,913mN COMMENCED: 24-1-83 CORE LOGGED: TGS
COLLAR ELEVATION: 210.36 FINISHED: 25-1-83 GEOLOGIST: TGS

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
0-7.0	Open Hole	Sandstone	Lithic, medium grained, minor CPC	Highly weathered
7.0-12.0	Open Hole	Sandstone	Lithic, medium grained, minor CPC	Mod. weathered
12.0-13.70	100	Sandstone	Lithic medium grained, grey coloured	Fresh to slightly weathered.
13.70-14.10	100	Mudstone	Oxidized and ferruginized, goethite replaced bedding	Mod. weathered
14.10-14.75	100	Sandstone	Lithic buff/grey colour, medium grained; oxidation on joints	Fresh to slightly weathered.
14.75-16.80	100	Sandstone	" " " " " " " " " "	Fresh
16.80-17.60	100	Sandstone	Lithic, buff/grey colour, medium/coarse grained, minor CPC	slightly weathered mod. weathered.
17.60-18.00	100	Conglomerate	Mud/clay pellet in medium grained lithic arenite matrix traces of carbonaceous mudstone, and coaly debris	" "
18.00-18.50	100	Sandstone	Lithic, medium grained	" "
18.50-18.90	100	Sandstone	Lithic medium grained, strongly rounded on joints with goethite	" "
18.90-19.00	100	Sandstone	Lithic, grey medium grained	fresh
19.00-22.85	100	Sandstone	Lithic, medium grained, soft.	mod. weathered
22.85-25.15	100	Sandstone	Lithic, medium to coarse grained toward base ; minor carbonaceous debris	fresh
			faint banding on So ($\Delta = 80^\circ$)	"
25.15-25.28	100	Conglomerate	Mud pellet (grey and carbonaceous), in coarse grained lithic arenite matrix.	"

AUSTRALIA PTY LTD

554027

COAL DRILLING LOG SHEET

<u>CT/E.L.:</u>	<u>RIG/METHOD:</u>	<u>TOTAL DEPTH:</u>
<u>HOLE NO.:</u> H-23	<u>CORE SIZE:</u>	<u>DRILLER/ASSISTANT:</u>
<u>LOCATION:</u>	<u>COMMENCED:</u>	<u>CORE LOGGED:</u>
<u>COLLAR ELEVATION:</u>	<u>FINISHED:</u>	<u>GEOLOGIST:</u>

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
25.28-25.33	100	Mudstone	Carbonaceous (possibly a large clast/pellet)	Fresh/Slightly weathered.
25.33-25.45	100	Sandstone	Lithic, medium/course grained	slightly weathered
25.45-26.00	100	Sandstone	Lithic, grey colour, medium grained	fresh
26.00-26.56	100	Sandstone	Lithic, medium increasing to course grained at base approx. vertical joints over lower section	" and Mod. weathered
26.56-26.69	100	Mudstone	grey colour	fresh
26.69-26.73	100	Coal	Dull, average 30% bright bands ; upper 30mm has approx. 50% bright coal and is extensively veined with calcite parallel to bedding (So)	"
26.73-26.93	100	Mudstone	Grey colour	
26.93-27.50		Coal	Dull 1% bright (< 1mm wide) ; approx 10 vol % angular grey mudstone clasts (? incipient pellets) for the upper 100mm slight increase in bright coal toward base averaging 2% bright bands (2mm thick) including a 40mm band from 27.46-27.50m ; trace calcite on So.	} Seam A
27.50-27.53		Shale	Brown colour fissile	
27.53-27.54		Shale	Carbonaceous.	
27.54-27.59		Coal	Heavy dull soft (not on BRD log)	
27.59-27.92		Coal	Dull, average 2% bright bands (2mm thick), but including approx. 50%	

SUBJECT/E.L.:RIG/METHOD:TOTAL DEPTH:HOLE NO.: H-23CORE SIZE:DRILLER/ASSISTANT:LOCATION:COMMENCED:CORE LOGGED:COLLAR ELEVATION:FINISHED:GEOLOGIST:

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
			bright bands (3-10mm thick) from 27.80-27.92m.	Seam A.
27.92-28.06		Mudstone	Grey colour, broken (?)	
28.06-29.28		Coal	Dull, average 3-5% bright bands (5mm wide), and including 30% bright bands (10-30mm wide) from 29.09-29.28 ; trace calcite in cleats and So.	Seam B.
29.28-29.38		Mudstone	Carbonaceous	
29.38-29.82		Mudstone	Grey colour fissile	
29.82-30.32		Coal	Dull, average 2% bright bands (2-3mm wide) [NB. discrepancy between core and BRD log suggests a 13cm KL ; ie., the core appears to start at approx. 29.95m.	Seam C.
30.32-30.34		Shale	Pale brown colour (mostly disintegrated in bottom of core box)	
30.34-30.77		Coal	Dull, average 3% bright abnds (2-5mm wide),	
30.-7-30.79		Shale	? brown colour (only on BRD log - ie., core loss)	
30.79-31.03		Coal	Dull, average 3% bright band, but with only a slight increase in bright coal content toward the base, (eg., 30.88-30.93m, and 30.98-31.03m).	
31.03-31.10		Shale	Carbonaceous to dark brown colour, fissile	
31.10-33.00		Mudstone	Grey colour, weakly banded (alternating dark/light grey and brown colours) ; minor green eclipses (? reduction centres) ; becoming more silty toward base.	

