

PROJECT/E.I.: 27/79

RIG/METHOD: Fox B80, Core

TOTAL DEPTH: 60.0m

HOLE NO.: H-19

CORE SIZE: NQ(6.0-60.0m)

DRILLER/ASSISTANT: WB., PD.

LOCATION: 481 778 mE, 5290 073 mN

COMMENCED: 18.1.83

CORE LOGGED: TGS

COLLAR ELEVATION: 138.80

FINISHED: 19.1.83

GEOLOGIST: TGS

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
0-3.5	Open Hole	Sandstone	Sandy clay, minor silicified wood, minor goethite, all derived from lithic sandstone	
3.5-6.0	Open Hole	Mudstone	Pink/red coloured to 4.0cm, then buff coloured and soft to brown; upper section apparently ferruginized by weathering of adjacent mafic rocks.	
6.0-6.3	6.0-9.0m=73	Mudstone	Buff coloured, very broken	
6.3-7.0		KL	Core loss	
7.0-7.5		Mudstone	Red/pink coloured, variably silty (similar to outcrop)	
7.5-7.8		Coal	Oxidized, dull, broken and with 3, 5mm wide dirt bands ; some core loss at top of seam.	
7.8-8.2		Mudstone	Grey/green/khaki ; silty ; goethite on joints	
8.2-9.05		Siltstone	Pale brown coloured	
9.05-13.00		9.0-12.0m=90	Mudstone	Khaki coloured to 12.25, then grey coloured 13.0m ; bioturbated and banded (light/dark green) 11.4 - 12.25m ; minor silty to 12.25 ; basal grey unit is massive.
13.00-13.80	100		Mudstone/Slst.	Interbedded, grey/brown/khaki : coloured
13.80-14.00	100	Mudstone	Grey coloured	
14.00-14.0	100	Siltstone	Grey coloured, muddy at top, minor ? flasca bedding	

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14.30-14.45	100	Sandstone	Lithic, grey, fine grained	
14.45-14.60	100	Siltstone	Grey coloured	
14.60-26.25	100	Sandstone	Lithic, grey fine grained, increasing to medium grained towards base ; carbonate cement 20.8 - 21.30m ; minor carbonaceous laminae to 25.05m ; abundant mudstone bands and laminae 25.05 - 26.25m and very minor coaly debris.	
26.25-26.65	100	Mudstone	Grey, massive.	
26.65-28.83	100	Sandstone	Lithic, grey, medium grained, minor coaly laminae (1-3mm thick)	
28.83-29.55	100	Mudstone	Grey, fine banded, with interval micro faulting giving a pseudo chevron appearance ; bedding also defined by lithic sandstone bands (5-15mm) hosting grey mudstone pellets.	△ top = 80° △ bands = 45°
29.55-29.70	100	Siltstone	Grey banded similarly to mudstone from 28.83-29.55m unit is capped and underlain by grey mudstone pellets.	△ bands + 50° △ base = 80°
29.70-41.70	100	Sandstone	Lithic grey, medium grined ; carbonate cement 33.25 - 33.50m, including calcite vein ; variably spotted due to carbonaceous debris (0.5mm) which are rimmed with green mineral ; vague banding due to alternation of quartz and heavy minerals/carbonaceous rich zones.	

JN AUSTRALIA PTY LTD

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COAL DRILLING LOG SHEET

PROJECT/E.L.:RIG/METHOD:TOTAL DEPTH:HOLE NO.: H-19CORE SIZE:DRILLER/ASSISTANT:LOCATION:COMMENCED:CORE LOGGED:COLLAR ELEVATION:FINISHED:GEOLOGIST:

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
41.70-42.08	100	Conglomerate	Clay/mud pellets, grey, with lithic sandstone matrix.	
42.08-42.36	100	Coal	Bright and dull (), brecciated with calcite matrix noticeably banded, upper half has approx. 20% bright, which increases to 40-50% bright in lower section.	
42.36-42.8	100	Mudstone	Carbonaceous with coaly bands	Calcite in cleats
42.8-43.60	100	Mudstone	Dark grey minor coaly bands	" "
43.60-44.0	100	Siltstone	Dark grey silty mudstone and siltstone	
44.0-45.12	100	Mudstone	Medium grey, minor dark bands	
45.12-45.49	100	Coal	Dull (? cindered); approx 5% bright bands (1mm)	
45.49-45.64	100	Mudstone	Carbonaceous	
45.64-47.18	100	Mudstone	Grey/brown, laminated.	
47.18-47.38	100	Coal	Dull, approx 10% bright bands to 47.34m, basal section contains approx 90% bright coal.	
47.18-48.35	100	Mudstone	Grey, very minor coal laminae	
48.35-48.6	100	Sandstone	Lithic, grey, medium grained, minor siltstone interbeds	
48.6-49.6	100	Siltstone	Grey banded	
49.6-49.9	100	Sandstone	fine grained, grey, carbonaceous banding	

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49.9-51.0	100	Siltstone	Grey/brown, banded; current bedded.	
51.0-52.3	100	Sandstone	Lithic, medium grained, grey with a large (350mm) carbonate concretion and an 80mm mudstone clast	
52.3-58.05	100	Slst./Mdst.	Interbedded, grey/brown, variably banded, siltstone and mudstone	
58.05-56.65	100	Mudstone	Carbonaceous, minor silty interbeds	
56.65-56.91	100	Sandstone	Lithic, medium grained, grey, c/joked with carbonaceous mudstone laminea, minor coaly laminae and mudstone pellets.	
56.91-57.20	100	Siltstone	Grey, muddy	
57.20-57.80	100	Mudstone	Grey	
57.80-57.92	100	Mudstone	Carbonaceous	
57.92-57.99	100	Coal	Dull (? cindered, approx 15% bright bands	
57.99-58.30	100	Mudstone	Dark brown, grading to carbonaceous, fissile	
58.30-59.60	100	Slst. Sandst.	Interbedded siltstone and finw grained lithic sandstone	
59.60-60.00	100	Sandstone	Lithic, fine grained minor siltstone interbeds.	
			E.O.H. 60.00m.	