

PETRECON AUSTRALIA PTY LTD

706044

COAL DRILLING LOG SHEET

PROJECT/E.L.: Langloh/E.L. 27/79 RIG/METHOD: Fox 880/Diamond TOTAL DEPTH: 57.39
HOLE NO.: H-14 CORE SIZE: NQ DRILLER/ASSISTANT: W.B./R.L./T.S.
LOCATION: 482,087 M.E./5,290,708 M.N. COMMENCED: 17/5/82 CORE LOGGED: K. Morrison, Brett Sculthorpe.
COLLAR ELEVATION: 157.96 FINISHED: 18/5/82 GEOLOGIST: K. Morrison

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
0.00 - 4.00	OPEN HOLE	PRE COLLAR		
4.00 - 18.79	100	Sandstone	Lithic arenite, medium with lesser fine-medium grained. Minor carbonaceous material as cross bed traces. Some grey, white colour banding (carbonate replacement?). Minor lone pebbles, clay pellets. Some fining-up cycles, basal conglomerate at 15.16-15.57. At 18.22 a gradational change from grey-white sst. down to green (ground water colouration)	Base oxidation zone = 9.30.
18.79 - 19.38	100	Mudstone	Grey, laminated carbonaceous mudstone. breaks easily, splits parallel to bedding. Abundant carbonaceous wisps, soft sediment deformation structures. One minor 4cm dull coal band.	
19.38 - 19.47	100	Conglomerate	Mudstone pebbles up to 4cm. Supported in a sst. matrix.	
19.47 - 26.89	100	Sandstone	Massive to cross bedded, with minor fine lithic arenite. Minor zones of pebble bands, mud-rich bands and high concentration of organic debris. Green colouration in some of the pebble bands.	
26.89 - 27.13	100	Siltstone	Grey with fine carbonaceous plane and cross lamination.	
27.13 - 29.85	100	Mudstone	Fining-up from basal silty, sandy mudstone with irregular shaped sand bodies, up to massive grey mudstone. Sharp non-erosional bottom contact.	

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METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
29.85 - 39.20	100	Sandstone	Medium grained grey lithic arenite. Some colour banding (carbonate replacement?). Minor zones of horizontal carbonaceous lamination, small scale planar bedding. (Core readily breaks in such zones). Minor pebbles.	
9.20 - 40.47	100	Coal	Dull, medium density. Two 1-2cm dirt bands. Breaks in core show slickensided - like surfaces.	
40.47 - 42.23		Mudstone	Grey carbonaceous, clayey mudstone with minor interbedded silt, fine sst. Fining-up trend. Fragments of reworked, flattened coal.	
42.23 - 43.47	100	Coal	Dull, minor bright bands with cleating, 2 ^o CO ₂ . Two slickensided oblique core breaks.	
43.47 - 45.09	core less?	Mudstone	Grey, laminated. Varying carbonaceous content soft sediment deformation load structures.	
45.09 - 46.33	100	Coal	Dull, heavy coal with irregular veins CO ₂ and minor bright bands. Grades down overshoot distance to carbonaceous mudstone at bottom.	
46.33 - 57.39		Mudstone	Grey laminated mudstone with minor siltstones, fine sst. carbonaceous mudstone. Grey mudstone, commonly interlaminated (planar and cross), with siltstone. Abundant carbonaceous debris, plant fossils. Some folding, load structures in mudstone.	