PETRECON AUSTRALIA PTY LTD

706039 COAL DRILLING LOG SHEET

PROJECT/E.L.: Langloh/E.L. 27/79 | RIG/METHOD: Fox B80/Diamond | TOTAL DEPTH: 69.0 Metres

HOLE NO.: H-12 | CORE SIZE: NQ | DRILLER/ASSISTANT: W.B./R.L./T.S.

LOCATION: 481,741 M.E./5,290,908 M.N. | COMMENCED: 14/5/82 | CORE LOGGED: K. Morrison.

COLLAR ELEVATION: 156.17 | FINISHED: 15/5/82 | GEOLOGIST: K. Morrison

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
0.00 - 4.90	OPEN HOLE		PRE COLLAR Soil decomposed sst.	
4.90 - 25.53	97	Sandstone	Medium grained lithic with mud pellets, coal wisps, flasers, conglomerate	1st non-oxidized
			erate bands. Foresets defined by flattened carbonaceous fragments.	sst. at 9.00
			Minor veins filled with 2% Co_3. Fining-up cycles (coarse to fine-medium)	
			at 14.00 metres. At 18.40 - colour change to green sst. Mudstone bands	Base oxidation
			at 18.74 - 18.94 and 20.00 - 20.35.	= 12.20
25.53 - 25.63	100	Mudstone	Top 40mm = black carbonaceous, overlying a fining - up cycle of fine	
			lithic sst. - siltstone - grey mudstone. Minor CO_3 veining in sst.	
			Basal pebble conglomerate band.	
25.63 - 26.70	100	Sandstone	Grey medium grained lithic arenite, sand grains = quartzose rock frag-	
			ments quartz, feldspar, pink and green grains, black and white micas.	
			basal conglomerate of lutite pebbles, flattened coal frags.	
26.70 - 27.82	100	Coal	Dull, heavy, with minor carbonaceous mudstone. Grades into coal from	
			overlying carbonaceous mudstone. Minor bright bands with cleating,	
			2% pyrite crystals.	
27.82 - 28.45	100	Mudstone	Grey, soft, grading down to siltstone.	
28.45 - 28.88	100	Siltstone	Fining - up. Ranging from fine sst. to silty mudstone, with narrow bands	

PETRECON AUSTRALIA PTY LTD

706040 COAL DRILLING LOG SHEET

PROJECT/E.L.: RIG/METHOD: TOTAL DEPTH:

HOLE NO.: H-12 CORE SIZE: DRILLER/ASSISTANT:

LOCATION: COMMENCED: CORE LOGGED:

COLLAR ELEVATION: FINISHED: GEOLOGIST:

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
			of siltstone.	
28.88 - 30.60	100	Mudstone	Grey. Minor irregular bodies of siltstone. Lenses, flasers of carbon-	
			aceous lutite. Mudstone cracks on drying. Dicroidium flora at 29.39.	
			Mudstone grades down to siltstone.	
30.60 - 30.86	100	Sandstone	Fine to very fine cross stratified lithic sst. Fining - up Carbonaceous	
			definition of small scale cross stratification.	
30.86 - 31.16	100	Siltstone	Grey, cross laminated. Abundant carbonaceous fragments on bedding,	
			lamination planes.	
31.16 - 31.38	100	Sandstone	Grey, fine grained, cross stratified.	
31.38 - 31.87	100	Siltstone	Cross stratified, with carbonaceous material. Minor mudstone band (1cm).	
			Grades down to very fine sst.	
31.87 - 36.05	100	Sandstone	Medium - fine grained lithic arenite. Carbonaceous material more	
			common in finer grained sst. Some fining - up cycles and some erosional	
			contact within the sands.	
36.05 - 36.30	100	Siltstone	Fining - up cycle of fine sst. to laminated mudstone with transitional	
			siltstone. Carbonaceous wisps in sst.	
36.30 - 42.43	100	Sandstone	Grey, medium lithic arenite. Sand grains = grey quartzose rock frags.	

PETRECON AUSTRALIA PTY LTD

706041

COAL DRILLING LOG SHEET

PROJECT/E.L.:

RIG/METHOD:

TOTAL DEPTH:

HOLE NO.: H-12

CORE SIZE:

DRILLER/ASSISTANT:

LOCATION:

COMMENCED:

CORE LOGGED:

COLLAR ELEVATION:

FINISHED:

GEOLOGIST:

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
			black opaque minerals, common accessory green, pink grains. No apparent concentration of individual components. Matrix = white Kaolinite? clay. Three small bands of pebbles between 38.99 - 42.00. Minor CO_3 veining.	
42.44 - 43.62	100	Coal	Dull, minor bright bands with cleating. 2° CO_3 2(1-2cm) dirt bands plus a 3cm, fine sst. band which is discordant to and has sharp contact with coal.	
3.62 - 44.20	100	Mudstone	Grey to black, more carbonaceous at top and bottom. Undulated laminations, soft sediment deformation structures.	
44.20 -44.85	100	Coal	Dull, minor bright bands, CO_3 veining.	
44.85 - 46.48	100	Mudstone	Grades down from more carbonaceous mudstone to grey/mudstone siltstone, with minor very fine sst. slickensided? on break surfaces oblique to core axis.	
46.48 - 48.78	100	Sandstone	Fine grained lithic arenite. Carbonaceous bands in several narrow zones. Minor small scale cross bedding. Basal breccia of large angular clasts of laminated siltstone.	
48.78 - 59.80	100	Sandstone	Medium with minor medium-fine, lithic arenite. Sharp upper contact.	

PETRECON AUSTRALIA PTY LTD

706042

COAL DRILLING LOG SHEET

PROJECT/E.L.:

RIG/METHOD:

TOTAL DEPTH:

HOLE NO.: H-12

CORE SIZE:

DRILLER/ASSISTANT:

LOCATION:

COMMENCED:

CORE LOGGED:

COLLAR ELEVATION:

FINISHED:

GEOLOGIST:

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
			Minor zones of horizontal carbonaceous, micaeous bands. Minor oblique	
			CO_3 veins. Common disseminated carbonaceous material. Minor lone	
			mudstone pellets.	
9.80 - 59.90	100	Mudstone	Carbonaceous. Fractures with greasy, resinous (phyllitic) surfaces,	
			oblique to core axis.	
9.90 - 60.15	100	Sandstone	Medium grained, grey-green lithic arenite. At 60.00-60.05 a band of	
			mudstone-pebble conglomerate.	
0.15 - 60.46	100	Coal	Dull, minor bright bands. Irregular near-vertical CO_3 veining.	
0.46 - 62.74	100	Mudstone	Grey, clayey mudstone, planar laminated. Grading up to more carbon-	
			aceous mudstone. Minor irregular bodies of silt, fine sand towards	
			base of unit.	
62.74 - 69.00	100	Sandstone	Grey - green medium, lithic arenite. Minor finer grained sst. within	
			fining - up cycles. Minor carbonaceous wisps, mudstone pebbles.	
			END OF HOLE	