VOLUME 4 of 4 PR 84-24

TENT HILL NO. 1
CORE DESCRIPTIONS 1180 TO 1387.4M

by J.D.GORTER

PPL REPORT NO. 176

NORTHERN TERRITORY
GEOLOGICAL SURVEY

BARCODE Nº : P008SS

PR84/24-D

PANCONTINENTAL PETROLEUM LIMITED

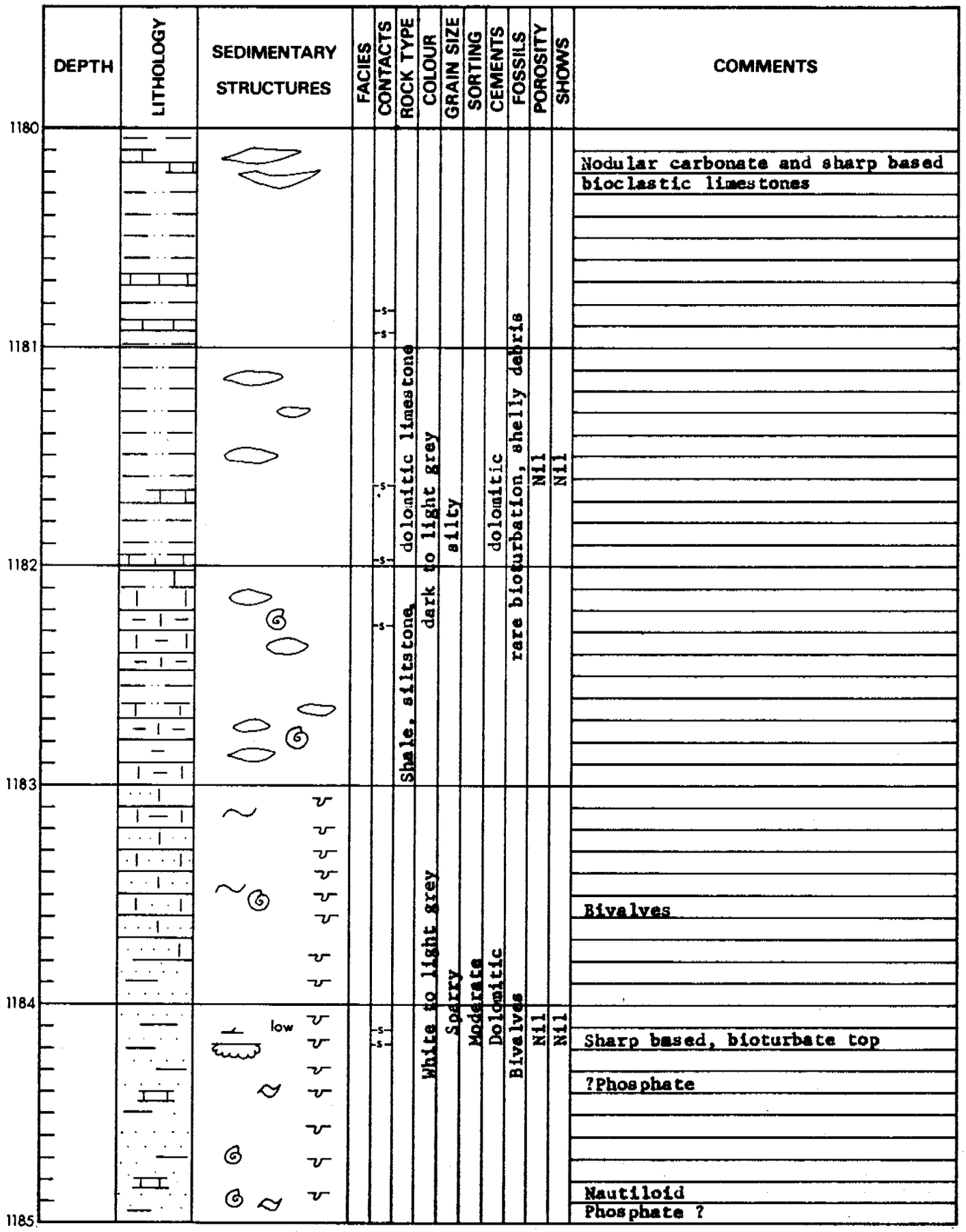
CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1180 - 1185m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter



PANCONTINENTAL PETROLEUM LIMITED

PANCON

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1185 - 1190m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1185													
							very fine	mod					Pyritic in part
1186		Mi				brownish grey							
						dark grey	very fine	mod		shell fragments			
1187				irregular	Sandstone, siltstone	pale to			dolomitic to siliceous		low	nil	
						clear, white,	very fine	mod		bioturbation,			? Phosphatic
		low											? Phosphatic
1188							vf	mod					
				s									
1189					Sandstone, siltstone	clear, white, pale to dark grey	very fine	mod	dolomitic to siliceous	bioturbation	low	nil	
				irregular									
1190													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1190 - 1195m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1190													
													? Phosphatic
													minor pyrite
													disrupted sandstone
													? Rusophycus
1191				irregular	siltstone, minor shale	brownish		moderate to poor	siliceous, minor dolomitic	bioturbation	low	nil	
						grey, greenish,	fine to rare medium						
1192		low		g	sandstone,	medium							
		mod-high											bioturbated base
		? low		s									
1193				s									bioclastic
		mod											
		low		s									
				s									sharp based, bioturbated upwards
				s									
													? Phosphatic
1194		?											
		mod		s									
							f						
				s									
		?											
1195				s									Diplocraterion ?

PANCONTINENTAL PETROLEUM LIMITED

PANCON

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1195 - 1200m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1195													
				s									Bioturbated sandstone
				s									Bioturbated sandstone
1196													
													Disrupted sand lenses
				s									
													? Phosphatic
1197		low											
													Bioturbated top
		low		s									
1198													
				s									
													Disrupted sand beds
1199													
				s									
				s									
1200													

Lithology: siltstone and shale; sandstone, medium to fine, silty; shale black

Colour: grey to dark

Sorting: moderate

Cements: siliceous

Fossils: Bioturbation

Porosity: trace; nil

Shows: nil; nil

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin ..... Well ..... Location .....

Core Nº Continuou ..... Date ..... Depth 1200 - 1205m

m Cut ..... m Recovery ..... m % .....

Bit Type / Size ..... Formation ..... Described by J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1200				s	sh.sand,silt	gy. grey							
				s									? Phosphatic, sharp based
		flat, low		s									
1201		high, mod, low, mod		? scoured	Sandstone	white - light grey	vf - extremely fine	mod - well	silica	? fragmentary	tr - nil	nil	Stylolitic
1202		low, mod, mod											
1203				s	shale		vf						
		mod		s			vf						? trough cross beds
		low		s	sand,shale	wh-blk	vf						
1204		flat		s			vf						
				s	silt,sand	wh-lt.gy	vf						
		low		s			vf						Thin sandstone beds ? dune megaripple
		low		s	Sand	wh-l.gy	vf						
1205				s									

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1205 - 1210m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1205		low											
				s									Large burrows - vertical
					sand, silt	white - light grey	fine - medium	mod	silica	bioturbated	tight - poor	nil	Burrow mottled
1206													
				s									Sand lenses
				s									Burrow mottled
													More horizontal burrows
1207					Shale, minor sand	Black, minor grey			Carbonaceous				
1208				s									? Hard ground, burrowed
				s									
				s									Mottled
		low, mod											
				s									Escape burrows?
1209													Minor vertical burrows
				s									? Phosphatic
				s									? ~~Rusophycus~~
													? Phosphatic
1210													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1210 - 1215m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1210		low		s									Diffuse top, sharp base
					sand, silt	light grey		well	siliceous	bioturbated	trace	nil	? CRUZIANA
1211				s									
					sand, silt	light grey - black	c	well		bioturbated			
1212		minor											Bioturbation decreasing with reduced sand content
1213					shale	black			pyritic	nil			
													? Phosphate pellets Pyrite nodules
1214					Sand, shale	Light grey	f						Phosphate pellets ? Pyrite nodules
1215				s									

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1215 - 1220m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1215													
		low		s									Bioturbated sand top
		low		s									
				s									Load casts
		mod											
		mod											Mottled
1216													
		low											
		low											
				s									Load casts
1217					Sandstone - siltstone	light grey, white, medium grey	fine - very fine	mod	silica	bioturbated	nil to poor	nil	
													Burrow mottled
1218													
							f						
				s									Load casting, burrowed sand
													Pyrite nodules
1219													
		low		s									
				s									
		low		s									
1220													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1220 - 1225m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1220				s	siltstone	light-med grey, white	vf - fine			bioturbated	poor	nil	
1221					sandstone								
1222		low, ?		s s									Carbonaceous, load casts
		? low low mod low			sandstone			bimodal	silica	? bioturbated	fair		? Vertical burrows
1223		mod mod high				lt.brown	f - c	mod			poor to	trace gas	Trough cross beds
		? high			Sandstone								
1224		flat mod				lt.grey-lt.brown	f - c	mod	silica	bioturbated	poor to fair	nil	Sand clasts
		low		s s									
1225		mod				wh-blk							

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1225 - 1230m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1225		mod, low, mod, high, flat-mod			sandstone	light brown	fine - coarse	mod	silica		poor	nil	
1226		low		G	s.sand	lt.grey	f-m	mod	silica		poor	nil	
		low		s	silty sand	lt.grey	f-m	mod	silica	bioturbation			
1227		low		s			f						
		low		s	silty sand	lt.grey	f-m	mod	silica	bioturb.	poor	nil	
		low-mod		G									
	Fe	low		s									
1228	Fe, Fe	mod		s	ironstone	rusty red,gy	coarse	poor	dolomite	nil/bioturb.	nil	nil	Ironstone, haematitic oolite
	Fe, Fe	low, low			ironstone	rusty red	coarse	poor	dol.	nil	nil	nil	
1229	Fe	low		s									
		low		s	sand	lt.gy	f-m c	mod	silica	bioturb.	nil	nil	
		low		s			f-c						
		low		s	Sand	lt.gy	f-m	mod	silica	bioturb.	nil	nil	
1230													

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1230 - 1235m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1230		low											
		mi		s	sand, silt	lt.gy-med gy	fine-med	mod	silica	bioturbated	nil	nil	Rarely carbonaceous
				s		lt.gy-gy	f						Black
1231		flat						mod	silica		nil	nil	
				G	sand, silt	lt-med grey	fine-med	mod	silica	bioturbated	nil	nil	
1232		low											
		low		s	sand,silt	lt-med gy	f-m	mod	silica		nil	nil	? Rusophycus
		mod		G	sand,silt	lt-md gy	f-m	mod	silica		nil	nil	Shale clasts, pebbles,matrix support
1233				s									
		F med ? low		s	sand, silt	light-med grey	fine-medium	mod	silica		nil/fracture	nil	
1234		low		s			f						
				s			f						
				s			f-m	mod	silica		nil	nil	
		mod		s									
				s			f	mod	silica		nil	nil	
		low		s									
1235													

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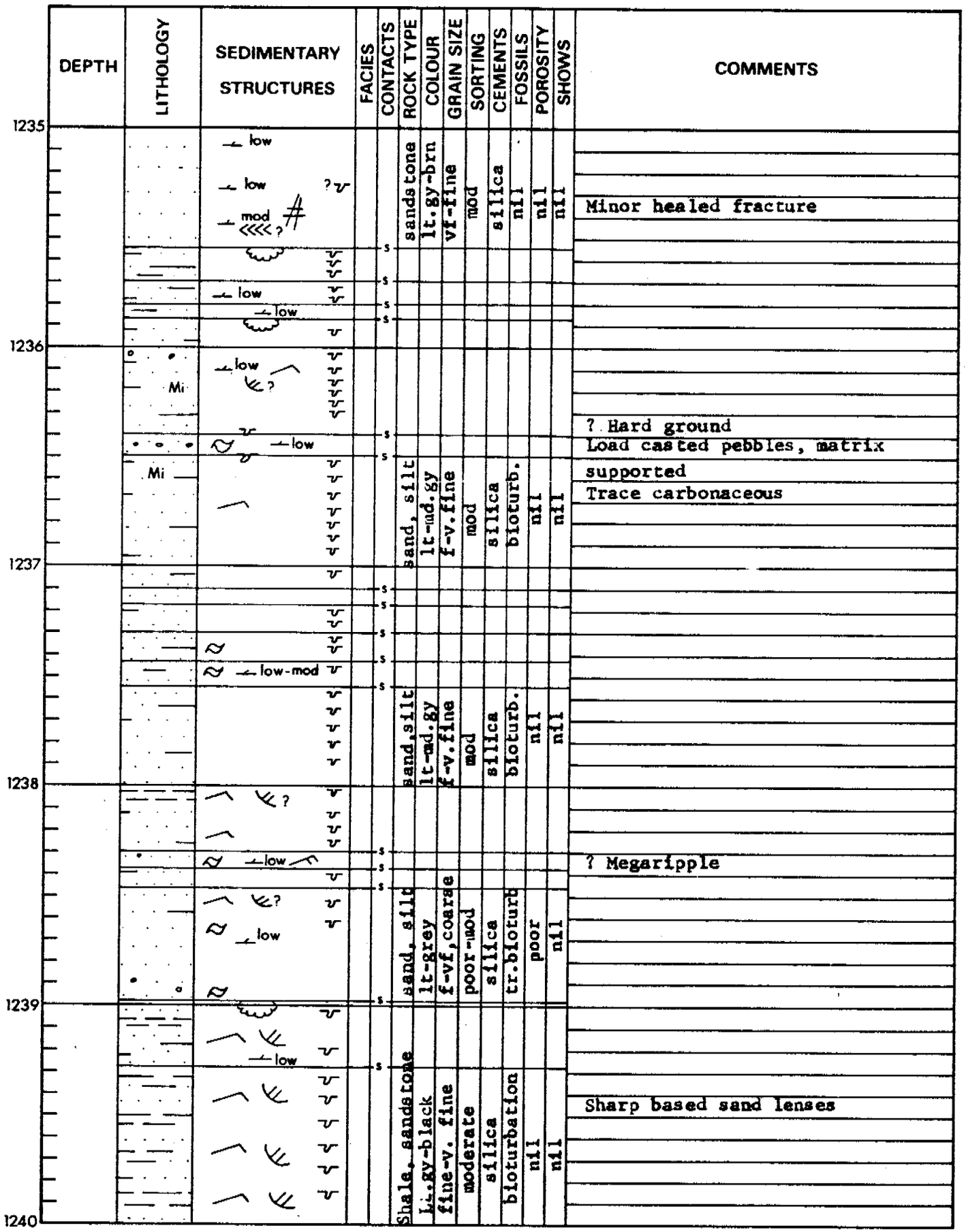
CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1235 - 1240m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter



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CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core No: Continuous Date: Depth: 1240-1245m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1240		low			sd. shale	lt.gy-blk				bioturb			Small burrows, vertical
		low, mod		s	sand	lt-med gy	f-vf	mod	silica		nil	nil	
1241		high					f						
				s	sand		f						Graded bedding
				s	Sd.slt		f						
		?		s	sand		f-vf						
1242		?, low			sand, silt	light-med.grey	fine-very fine	mod	silica	bioturb	nil	nil	
				s									
1243				s									
		mod, low, low, mod, low		s	sand, silt	light-med grey	f-vf, coarse	mod	silica		nil	nil	Clay drape ?
1244		low		s	sand,slt		fine f-vf	mod	silica	bioturb			
	Pyr.	low, low, high		s	Sand		fine-v.fine	mod	silica		nil	nil	? Trough cross beds
1245													

PANCONTINENTAL PETROLEUM LIMITED

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1245 - 1250 m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1245		low, low, mod			sand	med.gy	fine	well	silica	bioturb	nil	nil	
		mod		s	sand	med.gy	fine	well	si,dol	bioturb	nil	nil	Escape burrows ?
				?					si,dol				Escape burrows ?
1246		low		s	sand	md.gy	fine	well	si,dol	bio	nil	nil	
		low			sand	med. grey	fine	well	silica,dolomite	bioturb	nil	nil	Vertical escape burrows ?
1247				s	slt ss,slt	md.gy	silty		si,dol	bioturb	nil	nil	Loadcasting
		low		s									
		high		s	silt ss,slt		silty		si,dol	bio	nil	nil	Megaripples
					sand	med-dk.gy	silty	mod	silica,dol	bioturb			
1248				s	sand	med-dk.gy	silty	mod	silica,dol	bioturb	nil	nil	
		low		s	ss,sh	md-gy	silty	mod	si,dol	bioturb	nil	nil	Sand filled filled burrows in shale
					sh,ss	m-dk.gy	silty	mod	si,dol	bioturb	nil	nil	
1249					shale,silt,sand	med-dark grey	silty	mod	silica, dolomite	bioturb	nil	nil	

PANCONTINENTAL PETROLEUM LIMITED

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1250 - 1255m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1250		low-mod		s									
	Mi			s									
		low		s	sand	lt-m.gy	f-m	mod	Si		poor	nil	
				s									
				s									
		low		s									Shale drape
		high											Coarsening upward cycle
1251		high											
		low											
		mod			sandstone	light-med.grey	f-m, c	mod	silica		poor	nil	
		low											
		low											
				s									
1252				s									Burrowed base
		low		s	sand		f-m	mod	Si				Burrowed base
		mod		s	sand		f-m	mod	Si				
				s									
		mod			sand	lt-dk.gy	f-m	mod	silica		poor	nil	
		mod		s									
1253					sand								
		high-mod		s									Composite bed
		?			sand,silt	lt.gy-dk.gy	f-m	mod	silica	bioturb	poor	nil	
		low ?											
		low											Rusophycus
				s									Burrowed base
		low				brn							Brownish colour
1254					sand	lt.gy	f-m	mod	Si		poor	nil	
		low											Burrowed base
		low		s	sass								
		high		s									
		low		s									
		low			sh								
				s									
					sh	lt-dk.gy				bioturb			
1255													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1255 - 1260m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Corter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1255													
		low, mod, mod											
													Flame structure ?
		low											Vertical burrows
		low			sand		vf		si		nil	nil	
		low											Shale drape
1256		low, high ?, low, high, low			sand	lt-m.gy	v.fine	poor-mod	silica		nil	nil	? planar crossbeds
		low											
		mod-low, mod, low ?											Composite bed ? reactivation surface, ?clay drape
1257				G	sand, silt		c	poor	si		nil	nil	
1258		low											
		low											Composite bed
		?, low											
		low											
		low											Composite bed
1259		mod ?											Composite bed
		low											
		low											
1260													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core No: Continuous Date: Depth: 1260 - 1265m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1260		low		s	sand,siltstone	light-med. grey	fine	poor	silica	bioturbation	poor	nil	Lensoidal cross beds
		low											
1261				s									
		low		s									
				s									Flame structure
		mod			sand	lt-m.gy	fine	poor-mod	Silica		poor	nil	
		low											
1262				s									
		low											? trough cross beds
				s									
		low		s									
				s	sand	lt-m.gy	vf-m	poor-mod	Si		poor	nil	
		low											
				s									Thin bioturbated shale laminae
				s									
				s									
1263				s									
					Sd,slt	lt-mgy	vf-m	poor-mod	Si				
		low											
		low		s		blk							Carbonaceous shale
		low		s									
				s									
				s									
		low			sand	lt-m.gy	m	mod	Si		poor	nil	TOP PIPE rock
1264				s									
		?					vf						
				s									
		mod			sand	lt-m.gy	m	mod	Si		poor	nil	
				s									
		low					m						
				s									
							m						? hard ground
1265													Abundant bioturbation

PANCONTINENTAL PETROLEUM LIMITED

PANCON

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill-1 Location:

Core Nº: Continuous Date: Depth: 1265 - 1270m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1265					sandstone	clear, white, pale grey	fine, occ. med.	poor	silica	shell, skolithus	nil	nil	Silty units now densely burrowed
1266										trace			
		low		s	sand		f-m	mod					Escape burrows ? hard grounds, no scour
		low		s	sand	lt.gy	f-m	mod	Si			nil	
1267				s	sand		f-m						? hard grounds, no scour, silty toward top with increase bioturb.
		low low			sand	lt.grey	f-m	mod-well	silica	skolithus	nil-fair	nil	Stylolitic contact Core breaks into biscuits Fewer skolithids
1268				s									
		?		s s	sand	light grey	dom.med. f-c	mod-well	silica	skolithus	nil-fair	nil	
1269		low low		s	sand		f-m		silica			nil	
		mod-high		s s									Trough cross beds
		mod low			sand	lt.gy-wh	f-m, c	mod-well	silica	skolithus	nil	nil	Trough cross beds Rare skolithids
1270													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1270 - 1275m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1270		low; low; low - mod			sandstone	clear-pl.gy.	m-c	poor-mod	Silica	shell	nil-fair	nil	Shale drape; ? trough cross beds
				s	sand		m-c	mod	Si	bioturb	nil	nil	
1271				s	sand	cl-pale gy.	m-c	mod	Si	bioturb	nil-fair	nil	
	Pyr	low		s	sand		m-c	mod	Si	bio	nil-fr	nil	
		low		s									
1272		low		s	sand	cl-pl.gy	m-c	mod	Si	bioturb	nil-fair	nil	Rare skolithus
		low; low		s			m-c	mod	Si	bio	nil	nil	
				s	sand	cl-plgy	m-c	mod	Si	bio	nil	nil	Pl
1273		low		s									P2
	Mi Pyr	low		s									First black shale
		low		s	sd.shale	gy.black	f-m	poor	Si	shell	nil	nil	Shell fragments; Load casting
		low		s									
	Mi Pyr	low		s			f-m	poor	Si	bio	nil	nil	
1274				s	sand	wh-dk.grey	coarse						
		low		s			med	poor	Si		nil	nil	? trough crossbeds
		mod; low		s	silty sd.sand	white	m-c	mod	Si	bio	nil	nil	Silty
	Mi Pyr	low		s		wh-ltgy	fine	mod	Si	bio	nil	nil	

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1275 - 1280m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1275													
				s									Black shale drape
				s									Load casts
		low			sand	med.grey	f-vf	well	si,dol	bioturb	nil	nil	Composite beds, black shale over white, sharp based sandstone
				s									
		low ?		s		blk							Trace carbonaceous
		low		s									
1276		low											Load casts
		low		s									
		low		s									
		low		s									
		mod		s	sand	med.gy	f-vf	well	si,dol		nil	nil	
				s									Shale drapes
		mod		s									
1277				s									
		low		s									
		low		s									
	Mi Pyr Mi Pyr			s	silt-Sd	med.gy	f-vf			bioturb			
				s									
				s									
				s									
1278		mod											
		mod											Trough cross beds
		low			sandstone	clear,white,lt.brn	f-m	mod	silica	skolithids	fair	nil	
		mod-low											
		?											possible shell
		high											
1279				s									
		low			Sandstone	clear-lt.brown	f-m	mod	silica	skolithids	fair	nil	
		high											
		mod											
1280				s									Shale drapes

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1280 - 1285m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1280		low											
		mod, low		s	sand	lt.gy	f-m	poor	silica	bio			
		mod, low		s, s									
	Mi	mod		s, s	sand	lt.gy	f-m	poor	silica	bio			Composite, black shale, white sandstone
1281					sand	lt.gy-ltbrn	f-m	poor	silica	bio			
		low laminated		?		lt. grey				bioturbation-skolith	fair-poor	nil	
1282	Pyr	low, low		s	sandstone	greenish grey,	fine-medium	poor	silica				
1283				?	sand	ltgy-wh				bio			
		mod, low - mod		s, s	sand	wh	f-m	poor	St				
		mod		G									?Silt drape
1284					Sand	white-lt.gy	fine-coarse	poor	silica	bioturb	fair-poor	nil	
		? low		s		wh							
		low		s		brnwh							Load casts
		low		s									Pinkish colour

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1285 - 1290m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1285													
		low		s	sandstone, silty	pink, red brown, green	fine-very fine	mod-poor	silica	bioturbated	poor	nil	Colour mottled, greenish, buff, pinkish, becoming brown with depth
		low											
1286													
				s									Burrowed base
		low											
1287													
		low			sandstone	red brown	fine-very fine	mod-poor	silica	bioturbated	poor	nil	Chloritic ?
1288		laminated low-mod											
				s	sand	reddish	f-vf	poor	Si	bio	poor	nil	
		low		s	sand	red.brn	f-vf	mod-poor	Si	bio	poor	nil	
1289		mod		s									
		low		s	sand	red.brn	fine	poor	Si,Fe	bio	poor	nil	
				s									Chloritic
				s									
		low		s	sand	red.brn	fine	poor	Si,Fe	bio	poor	nil	
1290		low											

PANCONTINENTAL PETROLEUM LIMITED

PANCON

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1290 - 1295m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1290		low, low, low, ?		s, s									Interbedded silty sandstone, sandstone
		low, ?		s, s									
		low, low, low, ?		s, s	silty sand		very fine	poor-mod					Disrupted beds? mudcracking
				s, s									Load casts
1291		low, low, low, low		s, s									White basal sands, passing upward to brownish siltstone or shale, bioturbated
		low, mod		s, s, ?	Sd,slt	green - dark green	v.fine	poor					
1292		?		s, s	sh								
		low		s, s	Sd,slt	pale green	v.fine	poor					Pebbles to 2cm
		?, ?		s, s									
		low		s, G		brown							Chloritic
1293		low		s, s	sand,silt	red	v.fine	mod-poor					Brown mottled
		low		s, s	sand,slt		v.fine	mod-poor					Chloritic bands Burrow mottled
1294		low		s, s	Sd,sh								
		low, low, low		s, s	sand		m-c	mod					Chloritic bands
1295		low		s									

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1295 - 1300m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1295		low			sand	med.brn	f-m-c	poor	Si		nil	nil	
		low		s	Sd,silty	lt.pink	f-m	poor		bio	nil	nil	
		low		s	sand	tan	f-m	mod			nil	nil	? Trough cross beds
1296				G	sand	purplish	f-c	poor	Fe,silty	bioturb.	nil	nil	Burrowed base Burrow mottled
		low		s	siltstone	brown	coarse	poor	Fe, silty	bioturbated	nil	nil	Burrow mottled
1297					sandstone,s	purplish	fine -	poor	Fe, silty	bioturbated	nil	nil	
		low		G									Composite bed K spar
1298		low low			sandstone,slt	red brn,greenish	f-c	poor-mod	Fe, silty	bioturb.	nil	nil	
				s									
				s	sand,silt	red brn	f-c	poor	Fe,silty	bioturb.	nil	nil	
1299		low											
		low		s									
		low		s	sand,silt	wh,ltgn,brn	f-c	poor	Fe, silty	Bioturb.	fair-good	nil	
1300				s									

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1300 - 1305m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1300		low		s	sand, silt		fine-v.fine	poor	silica	bioturb.	nil	nil	
		low		s									Load casts
													Burrow mottled
		low		s									
		low		s									Chocolate shale, load casts
1301		low, low, low		s									
		low		s									
		low		s									
		low, ?		s									
		low		s									
				s									
1302		low		s	sand, silt	pale to dark green	fine-v.fine	poor	silica	bioturbation	nil	nil	
													Burrow mottled
		low		s									
		?, low, ?		s		patchy pink, red brown	fine-very fine	poor	silica	bioturbation	nil	nil	
1303		low		s									
		?, low		s	sand, silt								Burrow mottled
													Chloritic
		low, low		s									Load casts, burrowed base
		low, low		s									Burrowed base
1304		low, low		s									
				s									
		low		s									
		low		s									
		low, low		s									
		low, mod		s									
1305													

PANCONTINENTAL PETROLEUM LIMITED

PANCON

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1305 - 1310m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1305		low		s									
				s	sand,silt	red brown	very fine	poor	silica	bioturb.	nil	nil	Several sandier layers
				s									
		low											Change to green colours
		low		s									
1306				s									
				?									
		low		s									
		low		s									
		low		s									Load casts
1307				s									
		low		s									Load casts
		low		s	sandstone and shale	white, pale to medium green	very fine	poor	silica	bioturbation	nil	nil	
		low		s									Load casts
		low		s									
		low		?									? trough cross bedded
		low											Burrowed base
1308		low		s									
		low		s									Black shale
		low											Black shale
		low											Disrupted bedding
1309		low		s									
				s									Burrowed base
		low		s									
		low		s									
1310													

PANCONTINENTAL PETROLEUM LIMITED

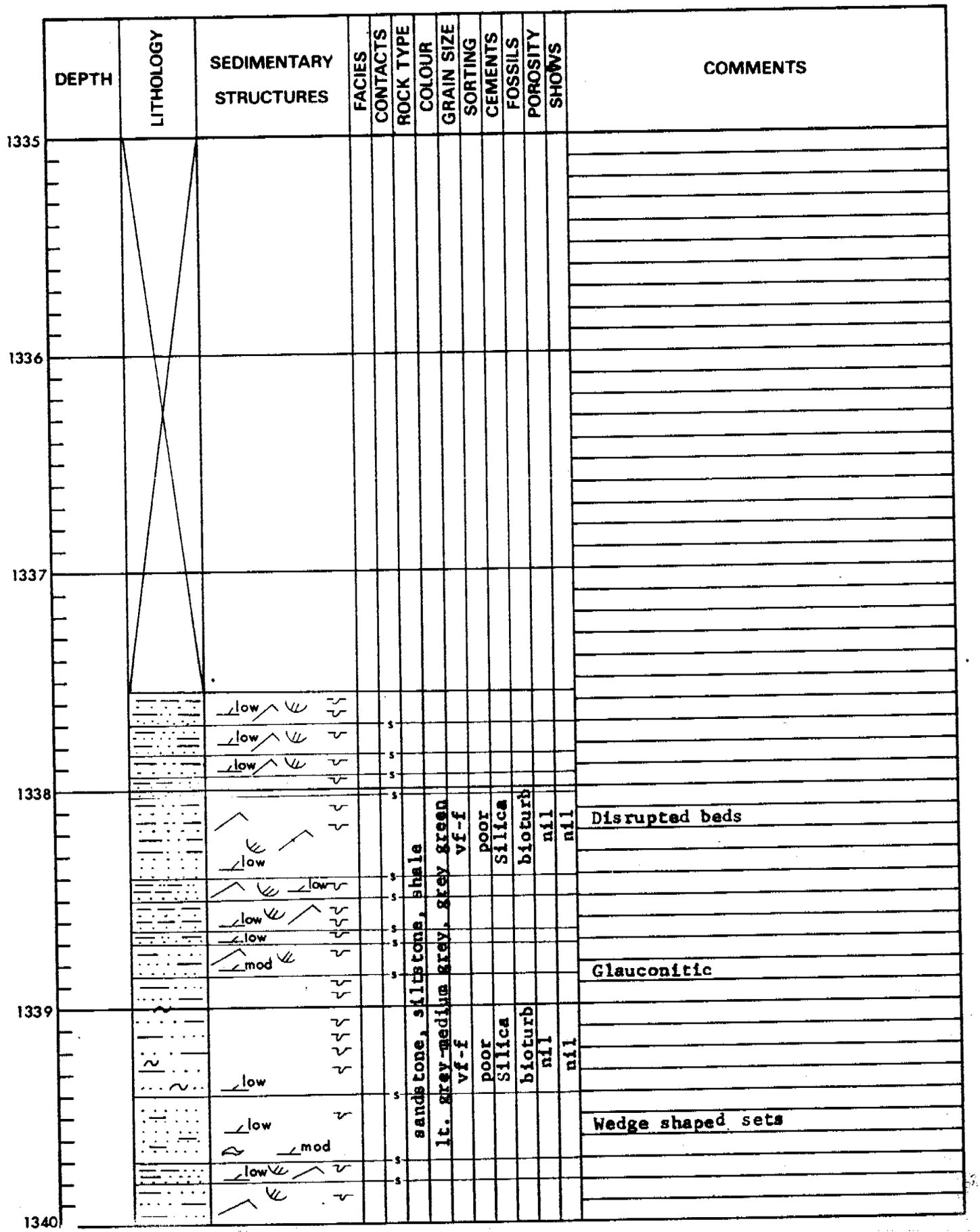
CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1335 - 1340m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter



PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1340 - 1345m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1340		low; low; low											
		low											
1341		low											Basal beds extremely glauconitic
		low; low-mod											
		low											
1342		low ?											healed fracture
		mod-low			sandstone and siltstone	medium grey green	very fine - fine, medium	moderate - poor	silica and calcareous	bioturbation	trace	nil	
		low; ?											Angle of repose cross bedding
1343		high											
		mod-high											
		mod											
1344		mod-high											Trough cross beds, glauconite grains in discrete bands on sets
		low											
1345													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1345 - 1350m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1345													
1346		low		s									
		low		s									Black shale
		mod; high-low		s									
		low		s									
		?; low				green							Greensand
1347				s									Greensand
		low; ?; low		s	and siltstone	grey green to dark	fine-very fine	moderate-poor	silica, calc.	bioturbation	trace	nil	
1348		mod		s									
		low-mod		s									
		low-mod		s	sandstone	medium							
		low		s									
				s									
		low		s									
		low											
1349		high; mod; high; low; mod; low			sandstone	medium-dark grey	medium-coarse	moderate-poor	calcareous	nil	fair-poor	nil	Bimodal cross beds; Angle of repose, master bedding
1350				s									

PANCONTINENTAL PETROLEUM LIMITED

PANCON

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1350 - 1355m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1350		low		s									
		mod; low-mod					fine-medium						Becoming less glauconitic with depth
		low; mod; ?; low											
1351		low; mod						poor to occasionally moderate					
		low; mod		s					calcareous, silica in part				
		low; low; low		s; s; s									
		?; SSS?		s	sandstone, silty in part	medium grey, greenish	dom. fine-medium			minor bioturbation	fair to poor	nil	Sharp rippled top overlain by black shale
1352		low; low; ?; low		s; s; s									
		low; ?; low		s; s									
		mod-high; mod		s; s			c,						Bimodal cross sets
1353		mod; low		s									
		low; mod; mod; low-mod					medium - coarse						Parallel bedded set
1354		mod; high; low-mod											Trough cross sets
		mod; low; low		s; s; s; s; s					Silica				
1355													Greenish shale

PANCONTINENTAL PETROLEUM LIMITED

PANCON

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1355 - 1360m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1355		mod-low					fine-med.						
				s									Silty drape
		low, mod, low											Slightly glauconitic
1356		low, low, mod, mod-high			silty in part, minor siltstone	greenish grey	fine - medium						Trough cross beds
		high											Trough cross beds
1357		low, mod, mod, mod-high, mod				clear, medium	coarse-medium	moderate to poor	silica	nil	poor to good	nil	? trough cross beds, ? master bedding
				s		to							Flat bedded
1358		low		s									
		mod, low, low, mod		s	sandstone,	white	fine-medium			bioturb			? trough cross beds
		low, low		s									Irregular oriented shale clasts black
1359		mod, low, high, mod, mod-high, low					fine - medium						? trough cross beds, ? reactivation surface
1360													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1360 - 1365m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1360		mod, mod-high											Trough cross beds
				s, s									Laminated med-dark grey shale
		low, mod-high, mod, low-mod											Shaly drapes
1361				s, s									Black shale
		mod, mod, mod, high			sandstone, minor siltstone and shale	white, light grey, occ.medium grey	fine - medium	moderate - well	silica	skolithos, minor bioturbation	poor to fair	nil	Shale clasts, black; Trough cross beds, shale drapes
1362		mod, low, mod											Trough cross beds
				s									
1363		low, mod											Shaly stylolitic drapes; Large shale clasts, grey
		mod		s									No erosion = no shale clasts
		mod		s, s									
1364		low, mod, high											Silty in part; Trough cross beds ?
		low		s			silty	poor					Small vertical burrows
1365													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1365 - 1370 m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1365		?		s									
		low		s									? trough cross beds
		low		s									Black shale drape over dunes
		low		s									
		low		s									
		low											
		mod-high											Master bedding
		mod-high											
1366		mod											
		low											
		mod											
													Shaly, stylolitic stringers
		mod											
1367		low											
		mod											
		low											
		mod											
													Trough cross beds
1368		mod-high											
													? master bedding
		low-mod											Stylolitic stringers
		?											Trough cross beds
													? master bedding
		mod											
				?									
		low											Black shale drape
1369													
		mod-high											Trough cross bedding, bimodal
				s									shale drape
		low-mod											
		low											
1370													

sandstone, minor black shale; white, minor black; fine-medium-coarse; moderate silica; trace skolithos, minor other bioturbation; poor-fair; nil

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1370 - 1375m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1370		low, mod, high											Stylolitic shale
		mod		s									
1371		mod		s									
		mod-high		s									Master bedding
				s									Black shale, ripple top to next
				s									sand, rippled base to sand above
		mod, low			sandstone, minor black shale	white to clear, trace black	fine - medium - coarse	mod well	silica	skolithos, possible trace shell in shale	poor to fair	nil	Stylolitic shale
1372		high, low, mod-high, high											Trough cross beds
													Master bedding
		low, mod, low		s									
1373		low, mod-high, low, high											Master bedding
													Large shale clast 3cm
													Trough cross bedding
				s									
1374		mod, high, mod		s									
1375				s									

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1375 - 1380m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1375		mod-low mod-high low high											? master bedding
		low-mod		?									
1376													
		low mod mod-high low		?	sandstone, minor shale and siltstone	white to clear, occasional dark grey-black	med.,occasional coarse or fine	moderate	silica	nil	fair to poor	nil	Master bedding Ripple cross lamination Trough cross beds
		mod-high		s									Load casts
1377		low mod mod-high mod low											? trough cross beds
	Pyr. Mi.			?									Dark grey shale drape
1378		low-mod low-mod low											
		high low		s									
	Mi			s									? dark grey shale, load casts
1379		high mod high											
1380													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1380 - 1385m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1380		low			sandstone	white - pale grey	c—f	poor	silica	nil	trace	nil	
		low											? trough cross beds
		low-mod											
1381													
		low		s									
		low											
		mod		s									
		low											Trough cross beds
		high		s									Trough cross beds
		high											
1382													
		mod-high											Trough cross beds
		mod-high		s									
		mod-high											
		low											Trough cross beds
		mod-high		s									
1383													Master bedding
		mod-high											
		mod-high											
		low		s									
1384		low-mod			sandstone	pale grey, green	fine-medium, occasional coarse	moderate - poor	silica, occ. calcareous	bioturbated	nil - fair to good	nil	
		low-mod											
		low-mod											
		high		s									
1385				s									

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Tent Hill - 1 Location:

Core Nº: Continuous Date: Depth: 1385 --1390m

m Cut: m Recovery: m %:

Bit Type / Size: Formation: Described by: J.D.Gorter

DEPTH	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
1385													
		low					c → f						Shale chip conglomerate
				s									
		low											
				s									Black to dark grey silty shale
		low, mod		s			E → c						
				s									
		high, low											
				?									
1386		low		s									Rippled zone
		low		s									
		mod, low		s									Trough cross beds
				s									Black shale
				s									Trough cross beds
		low											
				s									Shale chip conglomerate
		low											Interbedded sandstone, shale
1387				s									First brown colouration
		high, low, mod											
				s									
		low		s									TOTAL DEPTH
1388													
1389													
1390													