CORE DESCRIPTIONS

MT. WINTER NO. 2, 2A

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CORE DESCRIPTION FORM

Basin AMADEUS OP178 Well SP154 GE21 'MT WINTER' #2 Location ..... S ..... E

Core N° 1 Date 16/11/85 Depth 133.14m → 137.64

m Cut 4.50 m Recovery 4.40 m m % 97.8

Bit Type / Size DIAMOND CORE HMLC (HQ EQUIV) Formation LOWER STAIRWAY SANDSTONE. Described by C. HIGGINS

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
133m	COMMENCE CORING.	BEDDING STRUCTURES DESTROYED BY BIOTURBATION TR SHALE/SILT RIPUP CLASTS											CORE DIP - SUB HORIZONTAL. SANDSTONE: PALE - MEDIUM GREY OCC WHITE, PREDOM COARSE + V. COARSE GRAINED OCC V. FINE. MOD SORT — BIMODAL IN FINE SECTIONS. SUB ROUNDED GRAINS CEMENTED W/- SILICA. MOD - V. HARD, OCC. PYRITE DISSEMINATIONS. A-BUND SILTY DRAPES IN FINE SAND
134		U SIMPLE BURROWS. POSS GRADED BEDDING. BIOTURBATION											SECTIONS. OCC SILTSTONE RIPUP CLASTS OR SILTSTONE BEDS DESTROYED BY BIOTURBATION ⇒ SOFT SEDIMENT DEFORMATION. SILTSTONE: V. DARK - DARK GREY. HARD. SUB FISS - BRITTLE, A-BUND COARSE SAND GRAINS ENTRAINED. SLI - MOD DOLOMITIC. PYRITE ASSOCIATED. NO SHOWS EVIDENT.
135		U SIMPLE BURROWS. BIOTURB-ATION.	SHALLOW MARINE → SHOREFACE	SHARP TO OCCASIONALLY GRADATIONAL	SANDSTONE W/- MINOR SILTSTONE DRAPES + INTERLAMINATIONS + SILTSTONE CLASTS.	VERY PALE GREY TO PALE GREY. SILTSTONE - V. DARK GREY	PREDOMINANTLY COARSE - MEDIUM GRAINED OCC FINE AS INDICATED.	MODERATE TO OCCASIONALLY POOR	SILICEOUS AND DOLOMITIC	TRACE FOSSILS → BURROWING + BIOTURBATION ONLY. POSS LINGULA?	TRACE TO POOR (IN COARSER INTERVALS AS INDICATED)	NO FLUORESCENCE OR CUT.	
136		U SIMPLE BURROWS. BIOTURBATION											
137		U SIMPLE BURROWS. NO RECOVERY.											
138													

F-1

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS OP178 Well SP154GE21 'MT. WINTER #2' Location ..... S ..... E

Core N°: 2 Date 16/11/85 Depth 137.64 – 141.62

m Cut 3.98m m Recovery 3.86m m % 97%

Bit Type / Size DIAMOND CORE HMLC (HQ EQUIV) Formation LOWER STAIRWAY SANDSTONE Described by C. HIGGINS

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													

137 m

COMMENCE CORING.

CORE DIP – SUB HORIZONTAL.

SANDSTONE: PALE – V. PALE GREY, OCC WHITE, V. FINE – OCC COARSE GRAINED – GENERALLY FINER TOWARDS BASE. AS INDICATED DIAGRAMATICALLY. OCC BIMODAL, INTERLAMINATED AND INTER BIO-TURBATED W/- MED-DARK GREY SILTSTONE. ABUND BURROWING, TRACE PYRITE DISSEMINATIONS, OCC V. FINE BLACK SHALE (CLASTIC) FRAGMENTS IN COARSER MATERIAL ⇒ Lingula? SLI TR DOLOMITE CEMENT THROUGHOUT. NO SHOWS.

138 m

BIOTURBATED THRUOUT.

139 m

OCC SIMPLE BURROWS.

140 m

COARSENING UPWARDS CYCLE

SIMPLE BURROWS

SHARP / SHORELINE / SHALLOW MARINE

SHARP TO BIOTURBATED OCC GRADATIONAL.

SANDSTONE W/- SUBORDINATE SILTSTONE BANDS + THIN BEDS

V. PALE GREY – PALE GREY. SILTSTONE – V. DARK GREY.

COARSE – V. FINE + SILTY AS INDICATED

MODERATE TO OCC POOR BIMODAL IN PART.

SILICEOUS – SLIGHTLY DOLOMITIC

ABUND TRACE FOSSILS – BURROWING & + BIOTURBATION, POSS TR Lingula FRAGMENTS.

TRACE TO POOR (IN COARSER INTERVALS AS INDICATED)

NO FLUORESCENCE OR CUT.

141 m

No RECOVERY.

142 m

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S E

Core N°: 2 (Page 2) Date: 4.12.85 Depth: 99.9 - 102.25m

m Cut: 2.35m m Recovery: 2.35m m %: 100%

Bit Type / Size: Formation: Described by: C.R. Marsden.

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
102			marine	horizontal	shale	dk grey	vf			Nil	Nil	Nil	Shale: dark grey to blue grey, fissile, non calcareous
102.5													
2													
3													
4													
5													

METRES

PANCONTINENTAL PETROLEUM LIMITED

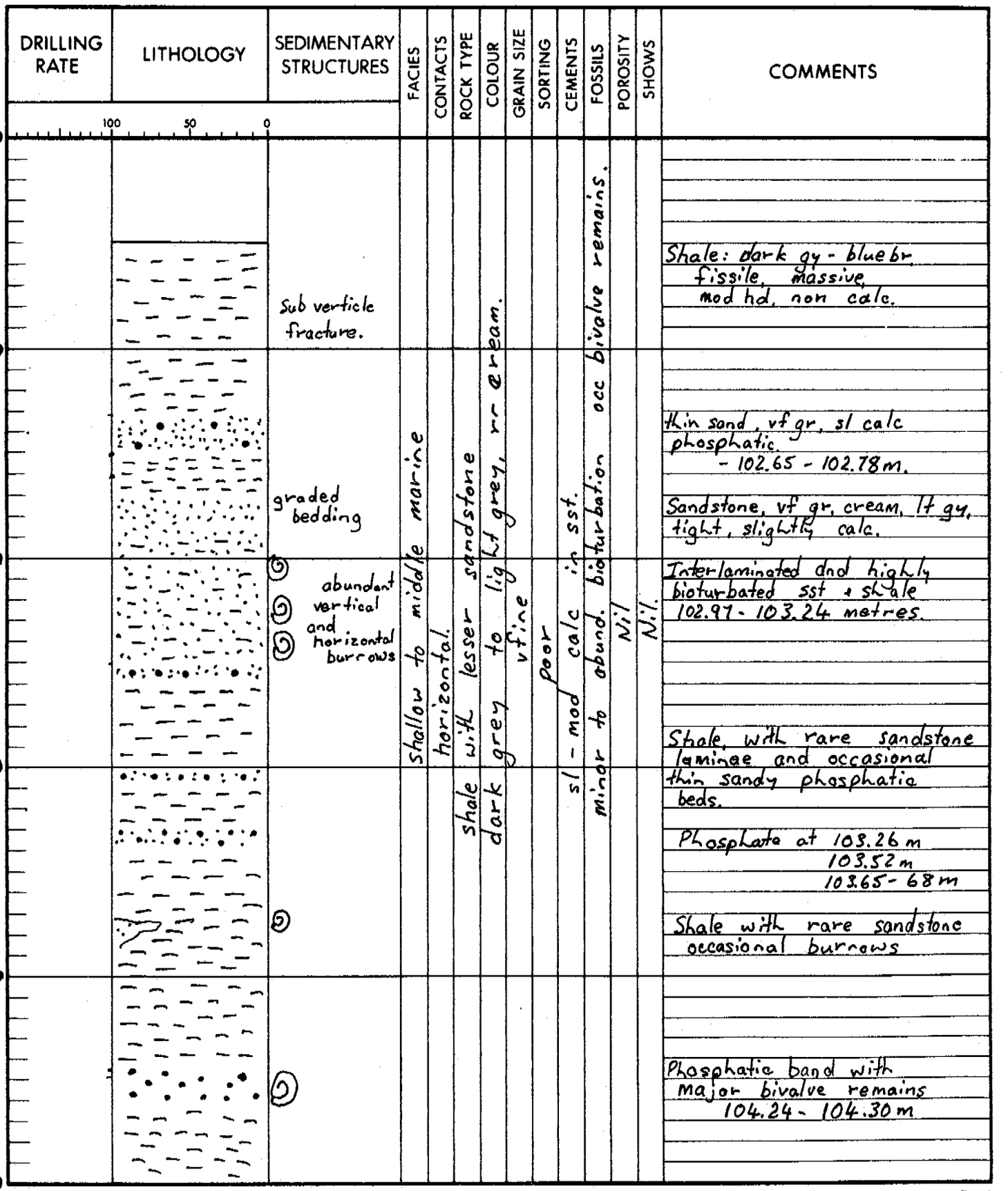
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a. Location: S ____ E

Core N°: 3 Date: 4.12.85 Depth: 102.25 - 106.75m.

m Cut: 4.50m m Recovery: 4.22 m %: 94%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden



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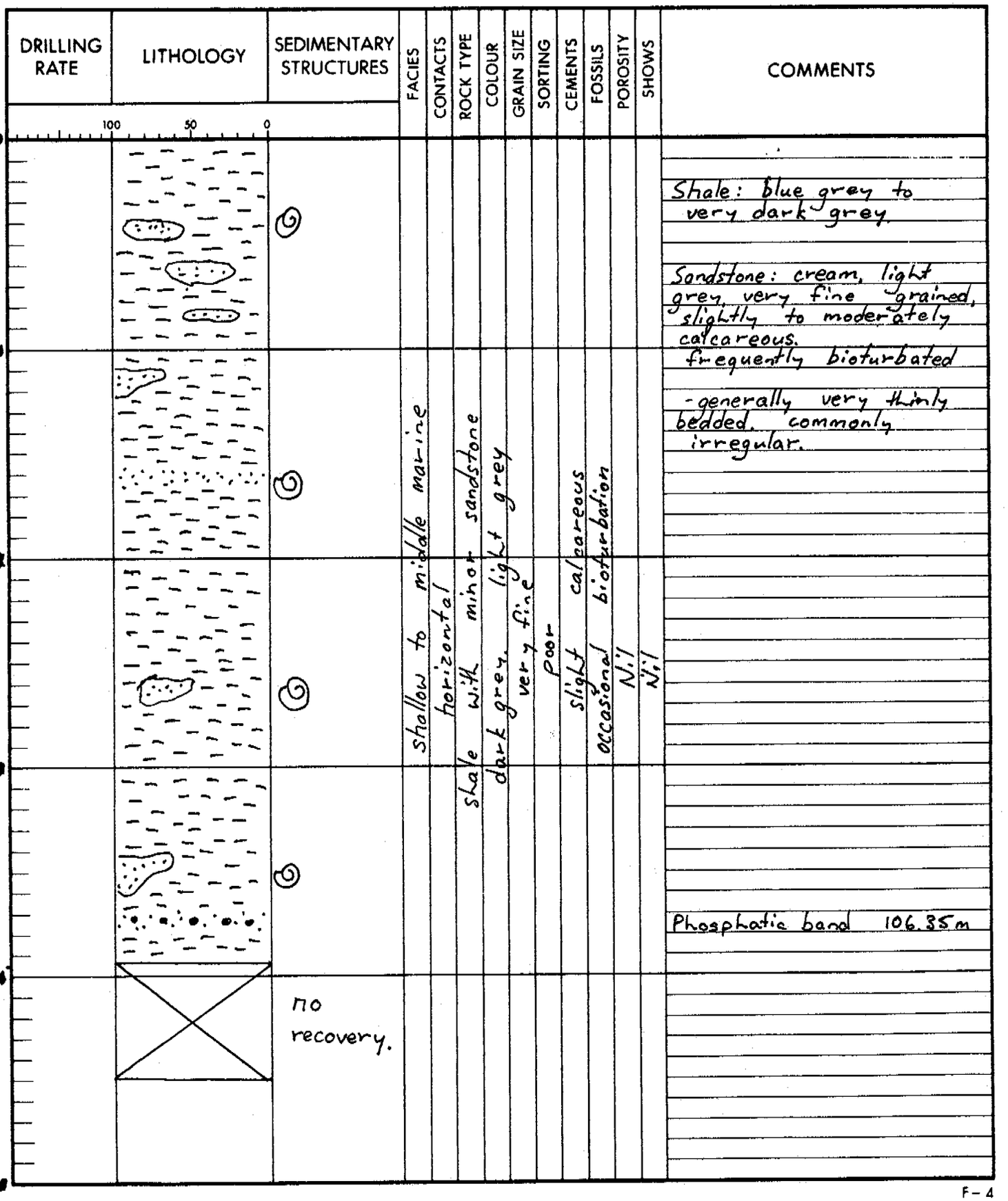
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S E

Core N°: 3 (Page 2) Date: 4.12.85 Depth: 102.25 - 106.75m

m Cut: 4.50 m Recovery: 4.22 m %: 94 %

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden



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CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a. Location: S E

Core N°: 4 Date: 5.12.85 Depth: 106.75 - 111.15m.

m Cut: 4.4m m Recovery: 4.40m m %: 100%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
106.5													Shale: dark grey, fissile, moderately hard, non calcareous
107				occasionally wavy	Sandstone	light grey			in sst.	bioturbation			thinly interbedded and bioturbated sandstone, light grey, calcareous, tight.
107.5			marine	horizontal,	shale with minor	dark grey	very fine	poor	slight calcareous	occasional	Nil	Nil	Sandy phosphatic band with bivalve remains at 107.58 - 107.60m.
108													Thin sand, tight at 107.89m.
108.5													Thin sand laminae, tight
109													

STRES

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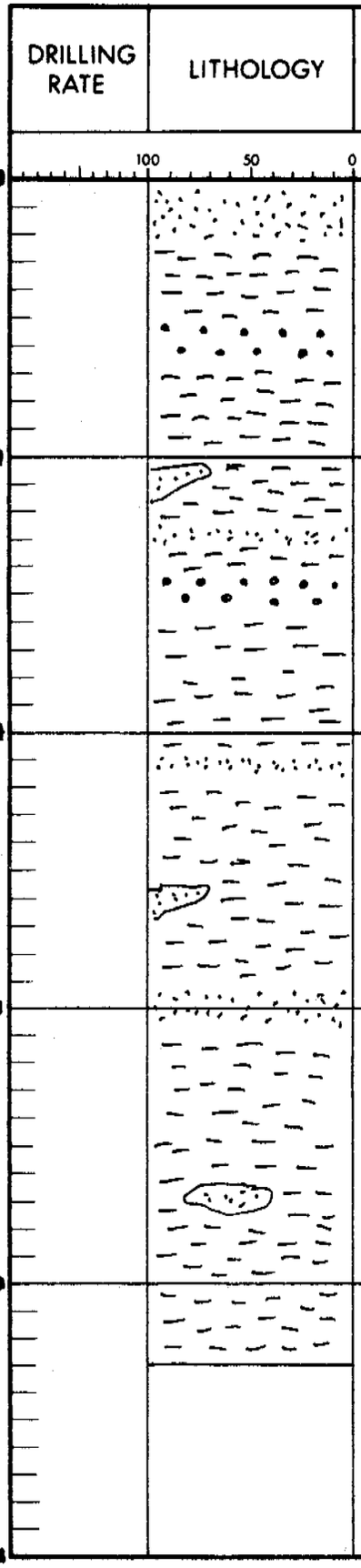
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S E

Core N°: 4 (Page 2) Date: 5.12.85 Depth: 106.75 - 111.15m

m Cut: 4.40 m Recovery: 4.40 m m %: 100 %

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden



FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
										Sandstone: cream, f grained, tight, weakly calcareous.
										Phosphatic band 109.26 - 109.29 metres.
										Shale: dark grey, fissile non calcareous.
		sandstone	cream & light grey,	fine		calcareous				Sandstone: light grey, tight, bioturbated.
										Phosphatic bands 109.70 - 109.73 109.77 - 109.80.
marine	horizontal	Shale with lesser	dark grey, light	very fine to	Poor	slight siliceous,	minor bioturbation	Nil	Nil	Thin sand interbeds. light grey, tight.

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S ____ E

Core N°: 5 Date: 5.12.85 Depth: 111.15 - 115.65m

m Cut: 4.50m m Recovery: 3.95m. m %: 88%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: C.R. Marsden.

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
111													Shale: blue grey, dark grey, fissile occasionally massive, non calcareous very rarely silty in part.
11.5				horizontal, occasionally irregular									Sandstone, light grey, phosphatic IP. bioturbated 111.85 - 111.90m
112			marine		shale, sandstone.	dark grey, lgt grey	very fine	poor	calcareous in part	variably bioturbated	Nil	Nil	Thin sandstone, tight.
METRES													Irregular sandstone lenticoid pattern, highly bioturbated.
112.5													Phosphatic bands 112.72m 112.77m.
113													Phosphatic band 113.03 - 113.06m
													Phosphate band 113.32m
13.5													

PANCONTINENTAL PETROLEUM LIMITED

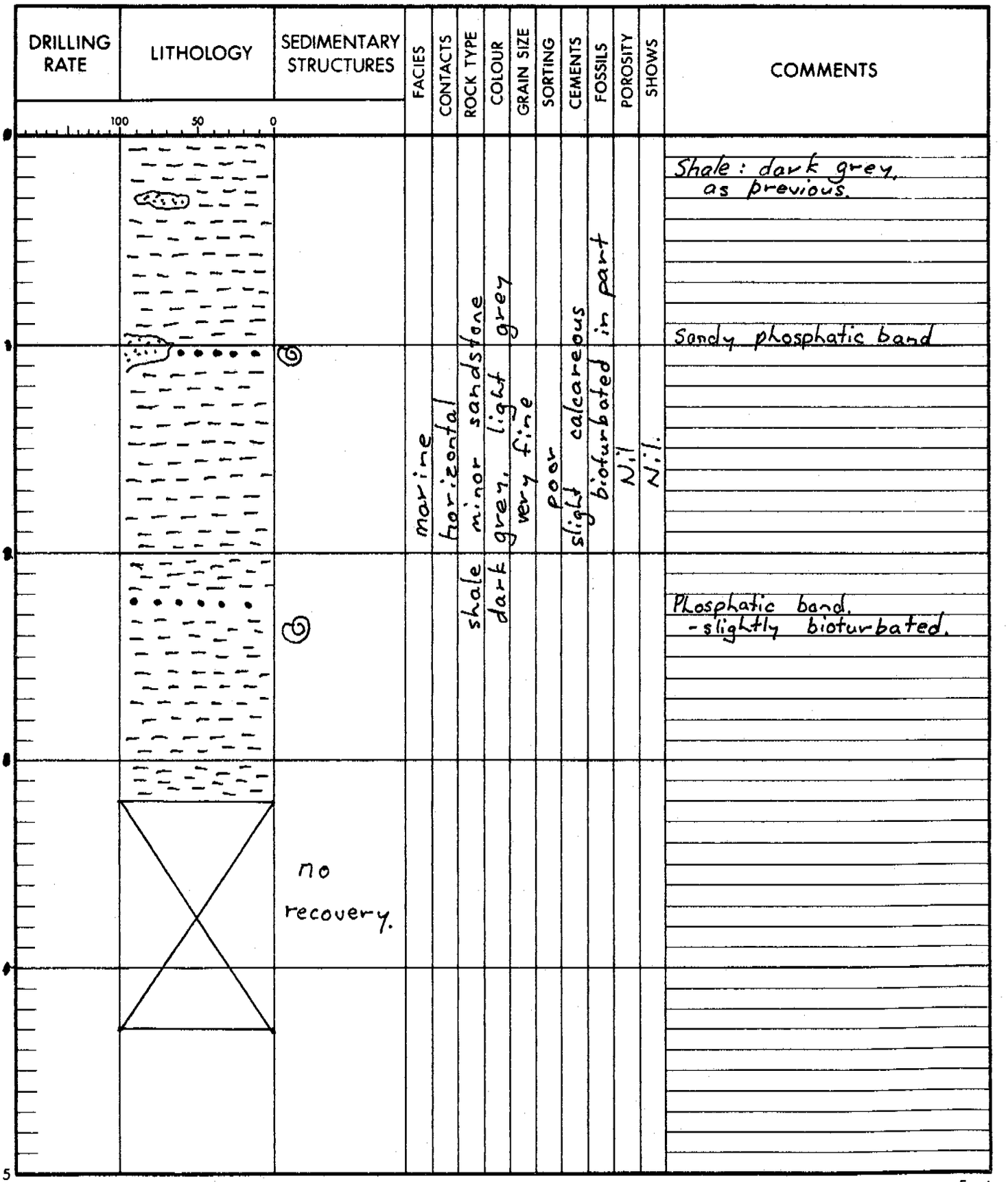
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S ____ E

Core N°: 5 (Page 2) Date: 5.12.85 Depth: 111.15 - 115.65m

m Cut: 4.50 m Recovery: 3.95 m %: 88%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden



PANCONTINENTAL PETROLEUM LIMITED

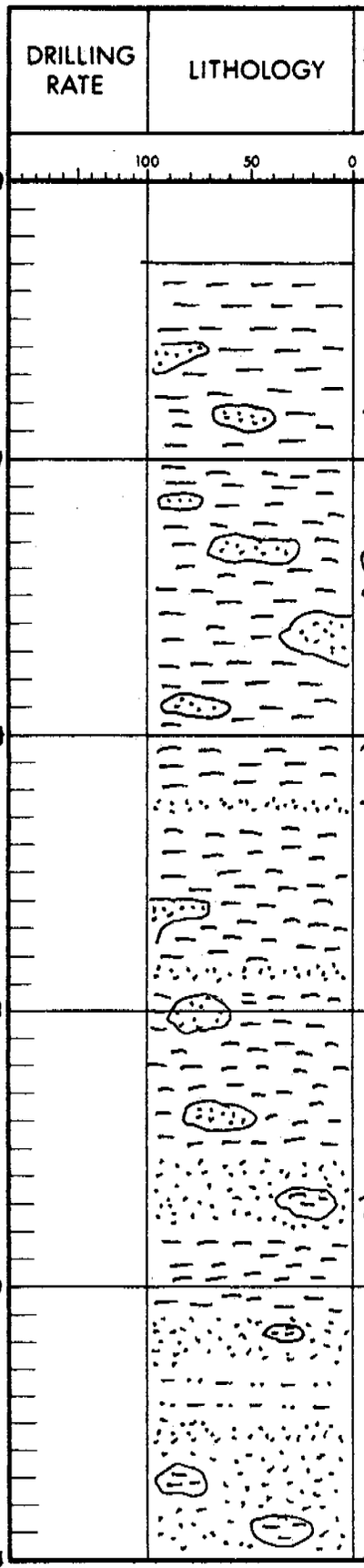
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S ____ E

Core N°: 6 Date: 6.12.85 Depth: 115.65 - 119.2m

m Cut: 3.55 m Recovery: 3.55 m %: 100%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden



FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
										Shale with lesser sandstone Shale: med-dark grey, sub fissile, non calc Sandstone: lt grey, fine to very fine grained, commonly calcareous, frequently finely laminated - frequently bioturbated
shallow marine - horizontal to marine commonly wavy		siltstone, sandstone, shale	lt - medium grey, light grey, dark	fine to very fine	Poor	calcareous	abundant bioturbation	N:I	Nil	Thin laminated sandstone band. Sandstone: light to medium grey, fine grained with dark grey shaly clasts "rip up clasts" highly bioturbated Shale tending to siltstone with depth - loosing fissility.

PANCONTINENTAL PETROLEUM LIMITED

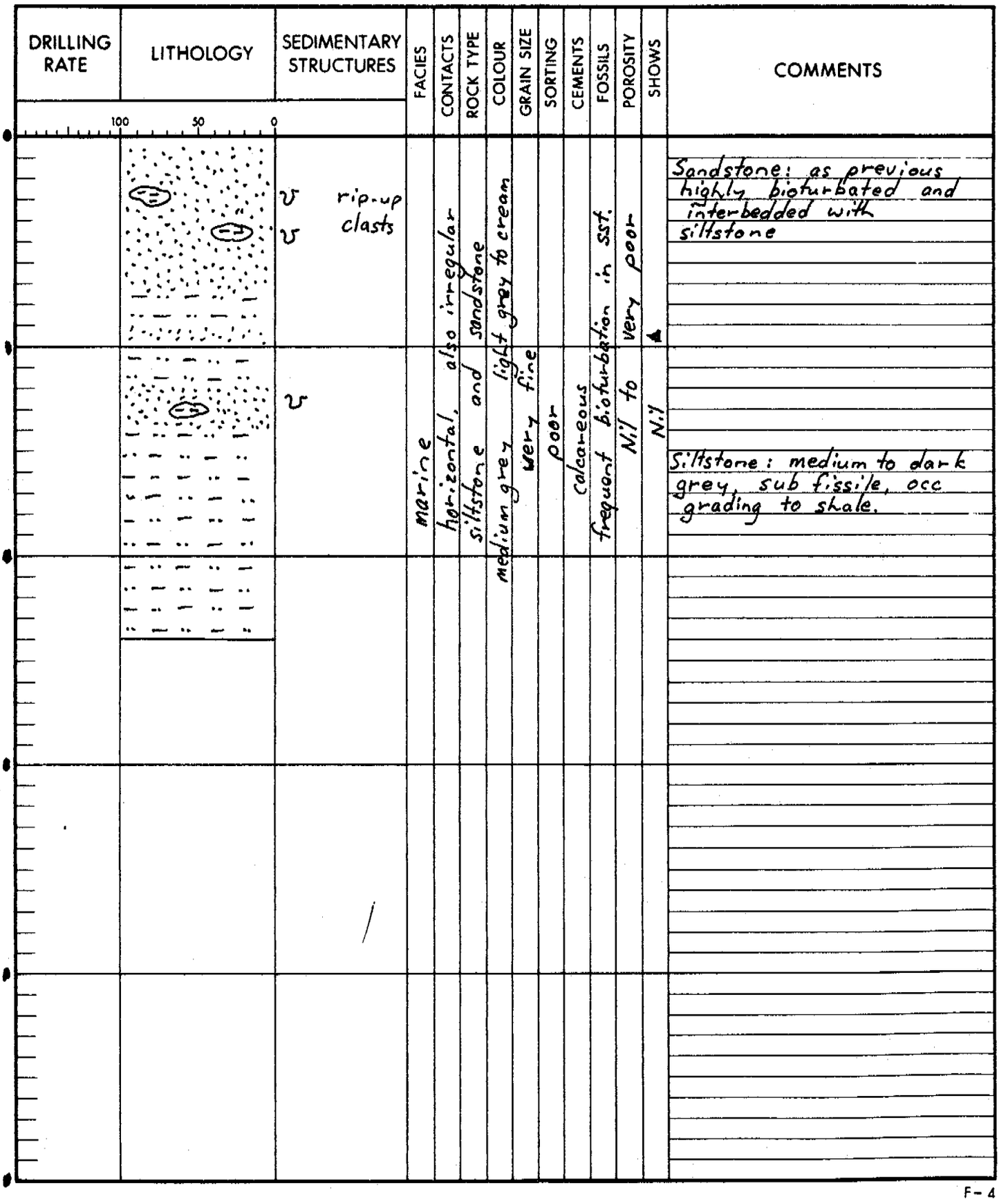
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S E

Core N°: 6 (Page 2) Date: 6.12.85 Depth: 115.65 - 119.2 m

m Cut: 3.55 m Recovery: 3.55 m %: 100%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: C.R. Marsden



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CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S E

Core N°: 7 Date: 6.12.85 Depth: 119.2 - 123.7m

m Cut: 4.5m m Recovery: 4.42m m %: 98%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: C.R. Marsden

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
119													Shale: med-dk grey, fissile to subfissile, frequently micaceous.
119.5													Thin irregular sandstone bands, minor phosphorite.
120			marine	horizontal	minor sandstone	light grey	very fine	poor	slight calcareous	minor bioturbation	Nil	Nil	
120.5		graded bedding ↑			shale	dark grey							Graded bedding Shale → sandstone → sandst. with phosphorite. Sandstone is tight, fine grained, slightly to moderately calcareous.
121													
													Sandstone, bioturbated in part.
121.5													

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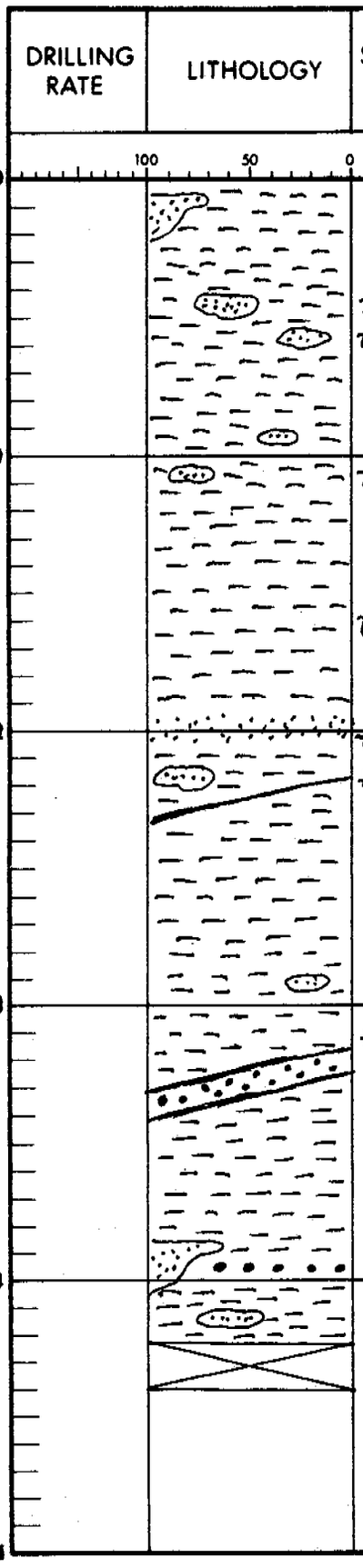
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S ..... E

Core N°: 7 (Page 2) Date: 6.12.85 Depth: 119.2 - 123.7m

m Cut: 4.50m m Recovery: 4.42m m %: 98%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden



DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
121.5													Minor irregular sandstone bodies within the shale, occasional bioturbation Shale: med - dark grey, micaceous in part, sub fissile to fissile, non calcareous
122		vertical burrow 5cm long	marine	often diffuse horizontal	shale > lesser sandstone	med - dark grey	very fine	slightly	slightly calcareous	occasional bioturbation	Nil	Nil.	
122.5		fault plane?											fault plane 5mm thick, zone of crushed shale and soft argillaceous material, rare pyrite crystals.
123		fault planes											slickensided planes phosphorite and sandstone common between the fault planes.
123.5		no recovery.											
124													

F - 4

PANCONTINENTAL PETROLEUM LIMITED

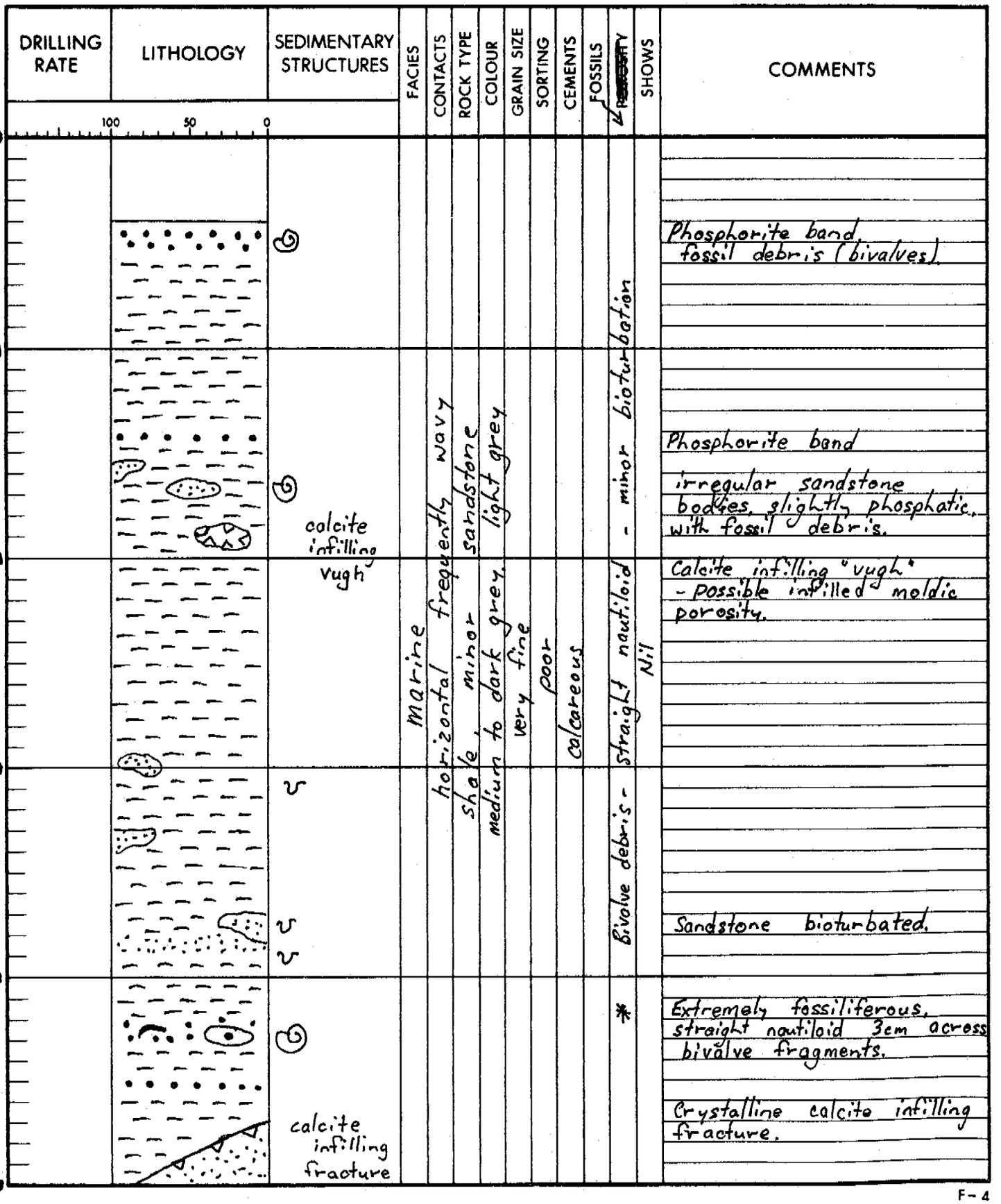
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S ..... E

Core N°: 8 Date: 7.12.85 Depth: 123.7 - 128.2 m

m Cut: 4.50 m m Recovery: 4.50 m m %: 100 %

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: C.R. Marsden



PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2o Location: S / E

Core N°: 8 (Page 2) Date: 7.12.85 Depth: 123.70 - 128.20 m

m Cut: 4.50 m m Recovery: 4.50 m m %: 100 %

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: C.R. Marsden

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
126													Shale: medium to dark grey, sub fissile non calcareous, slightly micromicaceous
26.5				occasionally wavy									Irregular sandy bands
					sandstone	light grey				disturbation			Abundant phosphorite banding. large grains (up to 5mm across)
127			marine	horizontal,	lesser	medium to dark grey.	very fine	poor	calcareous	occasional	Nil	Nil	
127.5		wavy bedding			shale								Sandstone band, very fine grained, light grey calcareous.
													Phosphorite common
128													
28.5													

F-4

PANCONTINENTAL PETROLEUM LIMITED

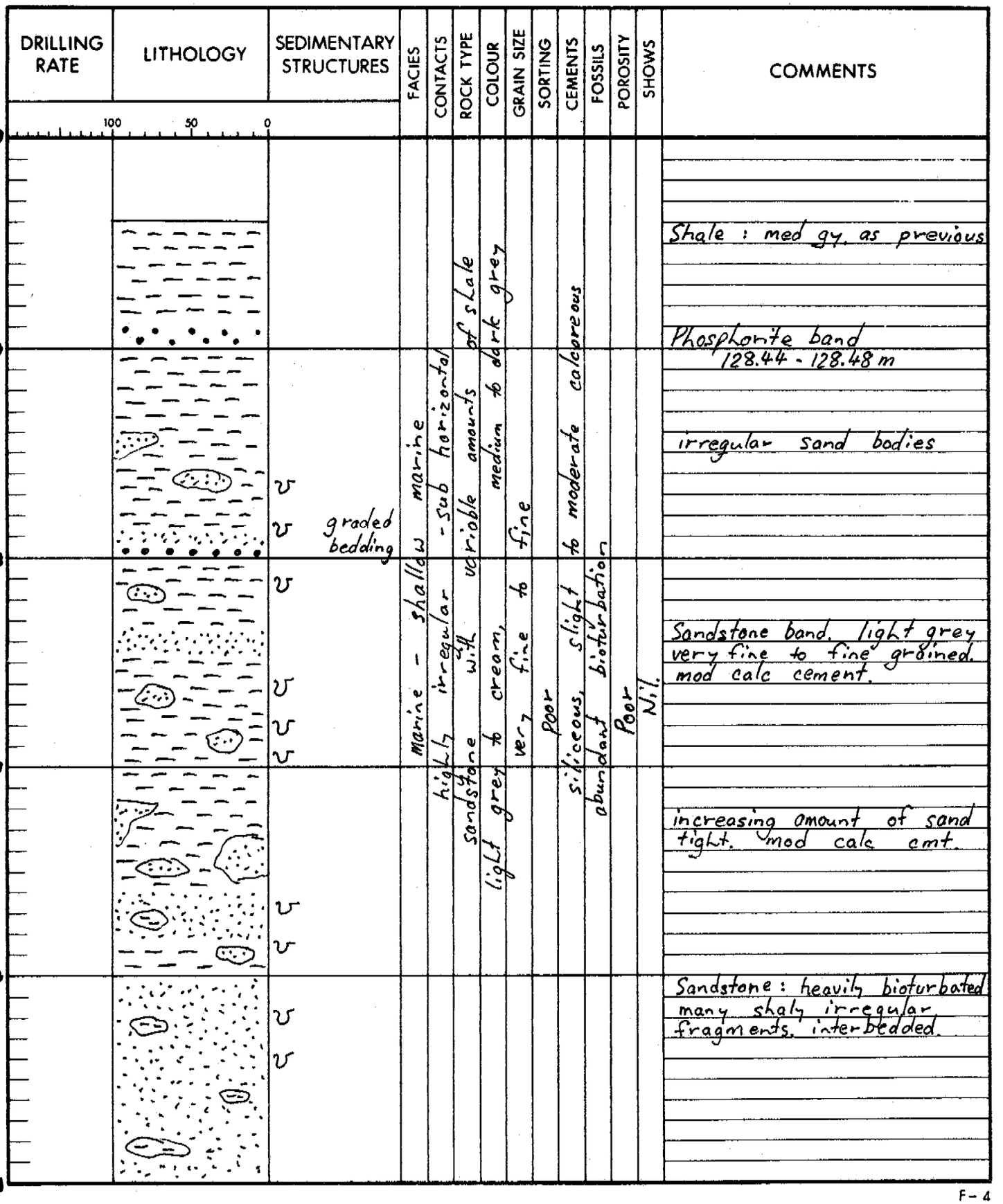
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S E

Core N°: 9 Date: 7.12.85 Depth: 128.2 - 131.2 m

m Cut: 3.00 m m Recovery: 3.00 m m %: 100%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: C.R. Marsden



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PANCONTINENTAL PETROLEUM LIMITED

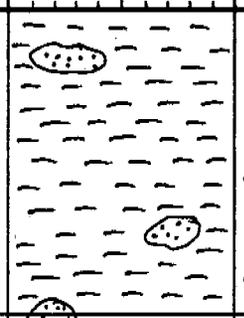
CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S E

Core N°: 9 (Page 2) Date: 7.12.85 Depth: 128.2 - 131.2 m

m Cut: 3.00 m Recovery: 3.00. m %: 100%

Bit Type / Size: 4" Ausbit Formation: middle Stairway Described by: G.R. Marsden

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
30.5			Marine	Sub horizontal	Shale with 1/8 sst	dark grey light gray	very fine	poor	slight calcareous	bioturbated	Poor - Nil	Nil.	Shale gradational to siltstone in part with interbedded and highly bioturbated sandstone.
131													
131.5													

F-4

PANCONTINENTAL PETROLEUM LIMITED

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S ____ E

Core N°: 10 Date: 8.12.85 Depth: 131.2 - 135.7m

m Cut: 4.50m m Recovery: 4.45m m %: 99%

Bit Type / Size: 4" Ausbit Formation: middle / lower Stairway Sandstone Described by: C.R. Marsden

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
131					shale				very rare calcareous	Bioturbation	very poor		Interbedded and highly bioturbated shale and sandstone: as previous.
131.5			shallow marine		sandstone and	grey, cream	very fine to fine	poor	siliceous	abundant	Nil to	Nil	Sandstone: light grey to cream, very fine to fine grained, highly bioturbated.
132					Interbedded	medium to light							Phosphorite band.
TRES 132.5				diffuse									
Top Lower Stairway													Sandstone: massive, quartzose, common kaolinitic cement, predom. well cemented.
133			Shoreface		Sandstone	cream, medium grey	fine to coarse	poor to moderate	siliceous	Nil	Poor to rarely fair	Nil	-frequent dark grey bituminous flakey coating. no fluorescence. no odour
133.5													

PANCONTINENTAL PETROLEUM LIMITED

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CORE DESCRIPTION FORM

Basin: Amadeus Well: Mt Winter 2a Location: S ____ E

Core N°: 10 (Page 2) Date: 8.12.85 Depth: 131.2 - 135.7m

m Cut: 4.50m m Recovery: 4.45m m %: 99%

Bit Type / Size: 4" Ausbit Formation: Lower Stairway Described by: C.R. Marsden

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
133.5													friable zone
									matrix				Sandstone. light grey to cream, fine to coarse and occ. v. coarse grained. non calc, commonly kaolinitic massive, occ feldspathic
134			: Shoreface.										
													Shaly fragment. dark grey. minor calcite infilling occasional pyrite grains.
134.5													
TRES			shallow marine	rarely discernable	Sandstone	cream, light grey	fine, pred coarse - very coarse	moderate to poor	siliceous kaolinitic	trace bioturbation	fair to poor	Nil	friable zone
135		U											minor bioturbation.
135.5													friable zone.
		no recovery.											
136.													

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CORE DESCRIPTION FORM

Basin AMADEUS Well MT. WINTER 2A Location –

Core N° 1 Date 13/8/86 Depth 135·65 – 136·7 M.

m Cut 1·05 m Recovery 1·05 m % 100%

Bit Type / Size TRIEFUS / NQ Formation L: STAIRWAY Described by M. BERRY.

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
135													NO APPARENT DIP EVIDENT.
METRES.		U	SHALLOW MARINE	DIFFUSE	SANDSTONE	WHITE-LT. GREY	VF-F, MED-CSE	MODERATE-POOR	SILICEOUS, LOC KAOLINITIC.	TRACE BIOTURBATION, OCC HEAVY	POOR	NIL	SST-WH-LT GREY, CLR, SMOKEY, VF-CSE, ANG-SBANG, @ TZOSE WITH MINOR LITHICS, SILICEOUS CEMENT, KAOLINITE MATRIX
136		U											INPT.
		U U U											VERY FINE SHALE LAMINAE LOCALLY HEAVILY BIOTURBATE.
													MINOR SHALE CLASTS.
137													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS Well MT WINTER 2A Location –

Core N° 2 Date 14/8/86 Depth 136·7 – 139·7

m Cut 3·0 m Recovery 2·98 m % 99

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY Described by M. BERRY

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
136													
		W/ CSE INFILL											MED–CSE, MASSIVE. BCMG–F–MED GND.
137		ONE LARGE	SHALLOW MARINE – INTERTIDAL.	OCCASIONAL – GEN DIFFUSE	SANDSTONE WITH SHALY LAMINAE	LT TO MED GREY	VARIABLE VF → V. CSE.	POOR TO MODERATE	SILICEOUS	BIOTURBATED, LOC W/ BIVALVE MOULDS	POOR TO V. GOOD IN V. COARSE BANDS	– NIL –	SST–WH–LT GREY, ? SMOKEY, OCC CLR. F–V CSE GND, ANG–SUBRND. PRED SBANG–SBRND. SIL CMT, KAOL MTX INPT. – SHALE LAMINAE/BIOTURBATED LOCALLY WITH CSE SANDSTONE INCLUSIONS & INFILL.
138													HEAVILY BIOTURBATED INPT OCC WITH SINGLE WELL DEFINED BURROWS. OCC DEWATERING STRUCTURES WITH CSE SAND RISING INTO FINER LAYERS.
139													V COARSE SAND. MINOR SHALE CLASTS.
		NO RECOVERY											MASSIVE CSE SAND.
140													

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS. Well MT WINTER 2A Location –

Core N° 3 Date 14/8/86 Depth 139·7 - 142·7 M

m Cut 3 m Recovery 2·97 m % 99

Bit Type / Size TRIEFUS/NQ Formation L. STAIRWAY Described by M. D. BERRY.

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
139													
													SILTSTONE. MED GRY, HD, LOC MICROMICACEOUS.
140													
													PYRITIC - DISSEMINATED.
METRES													SMALL DUNE BEDDING.
141													
			SHALLOW MARINE - INTERTIDAL.	VARIABLE - POOR - MODERATE	SANDSTONE WITH SILTSTONE HORIZONS.	LT-MED GRY TO MD, OR GREY	F - V COARSE GRAINED	POOR TO MODERATE	SILICEOUS - LOC W/ KAOLINITIC MATRIX	HEAVILY BIOTURBATED IN PT.	POOR TO FAIR, GOOD IN CSE	– NIL –	PYRITIC
142		NO RECOVERY											
143													

PANCONTINENTAL PETROLEUM LIMITED

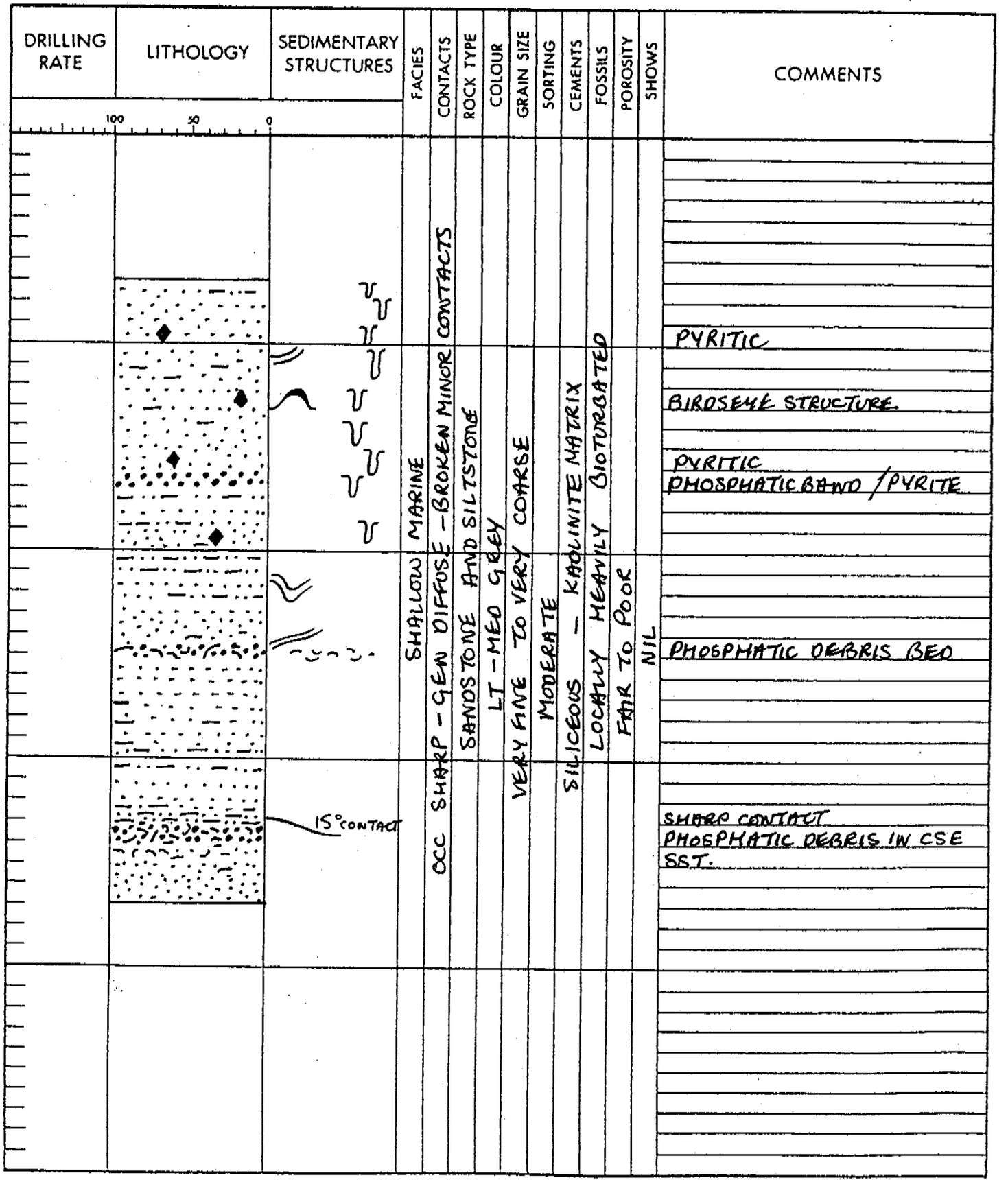
CORE DESCRIPTION FORM

Basin AMADEUS Well MT. WINTER 2A Location –

Core N° 4 Date 14/8/86 Depth 142.7 – 145.7 M

m Cut 3.0 m Recovery 3.0 m % 100

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY Described by M.D. BERRY



PANCONTINENTAL PETROLEUM LIMITED

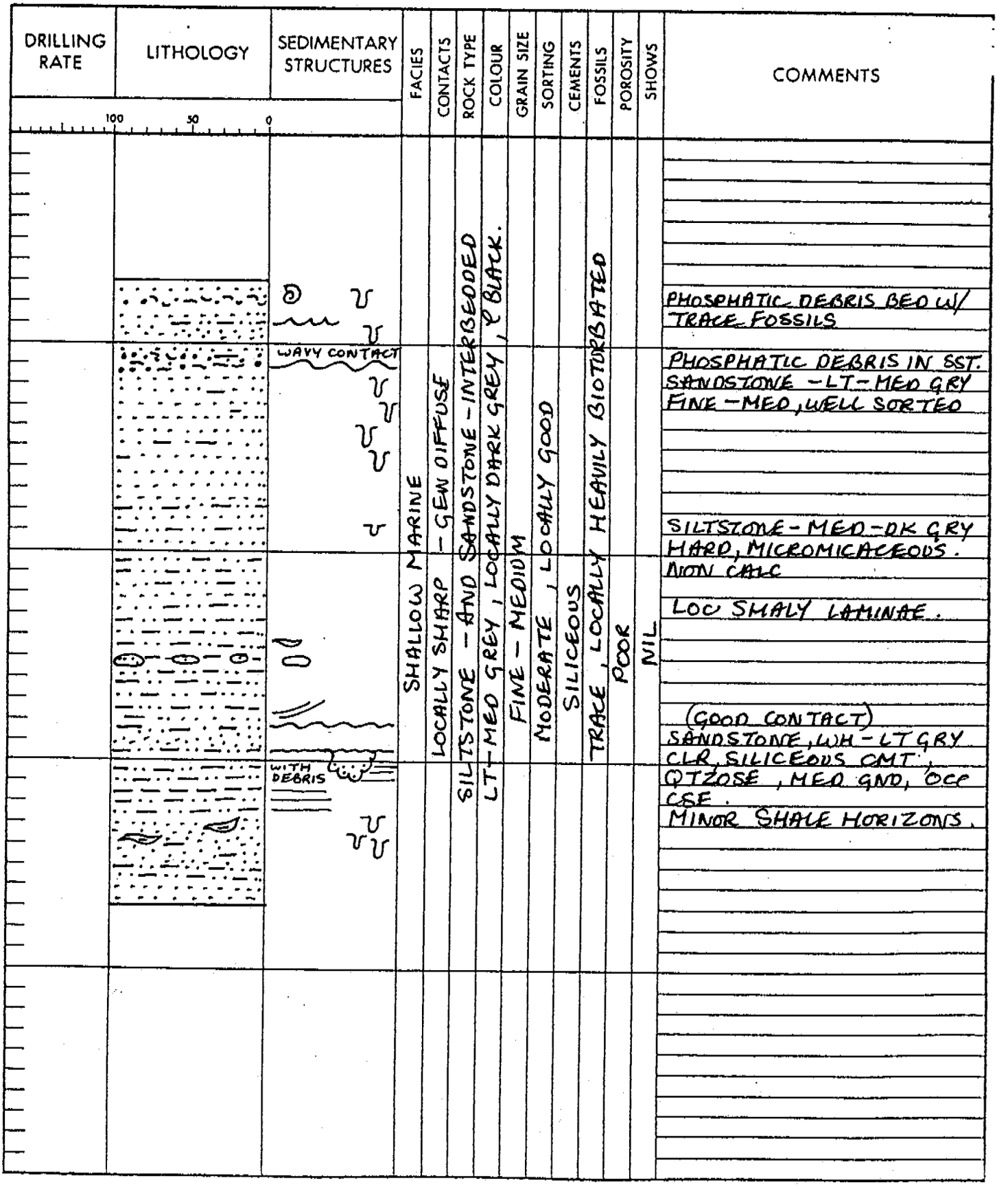
CORE DESCRIPTION FORM

Basin AMADEUS Well MT. WINTER 2A Location –

Core N° 5 Date 14/8/86 Depth 145.7 – 148.7M

m Cut 3.0 m Recovery 3.0 m % 100

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY Described by M.O. BERRY



PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS Well MT. WINTER 2A Location –

Core N° 6 Date 14/8/86 Depth 148·7 – 151·7m.

m Cut 3·0 m Recovery 2·94 m % 98

Bit Type / Size TRIEFUS/NQ Formation L. STAIRWAY Described by M.D. BERRY.

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
148													
													SANDSTONE LOC WITH SMALY LAMINAE
149													
													SHALE DRAPES.
													PHOSPHATIC DEBRIS IN SST.
													SST – VF–F GND, LT GRY, MOD WELL SORTED.
150													
			SHALLOW MARINE/NEARSHORE	TO DIFFUSE	SILTSTONE –	LOC DK GRY (SHALES)	VF Y V CSE.	GOOD.		TRACE BIOTURBATION	NIL.		CSE SST PEBBLE.
			MODERATE		SANDSTONE Y	F – CSE, LOC	GENERALLY			LOCALLY W/	POOR TO		SANDSTONE – VARIABLY LT–MED GREY, GRN WELL SRTD, F GND, OCC V.F, THROUGH TO MED Y CSE, INTERBEDDED WITH MED–DK GRY SLTSTN,
151			INTERBEDDED		LT TO MED GREY,				SILICEOUS.				HEAVY SHALE LAMINAE, DEWATERING.
		NO RECOVERY											BIRDS EYE STRUCTURE – DEWATERING STRUCTURES.
152													

METRES

PANCON

PANCONTINENTAL PETROLEUM LIMITED

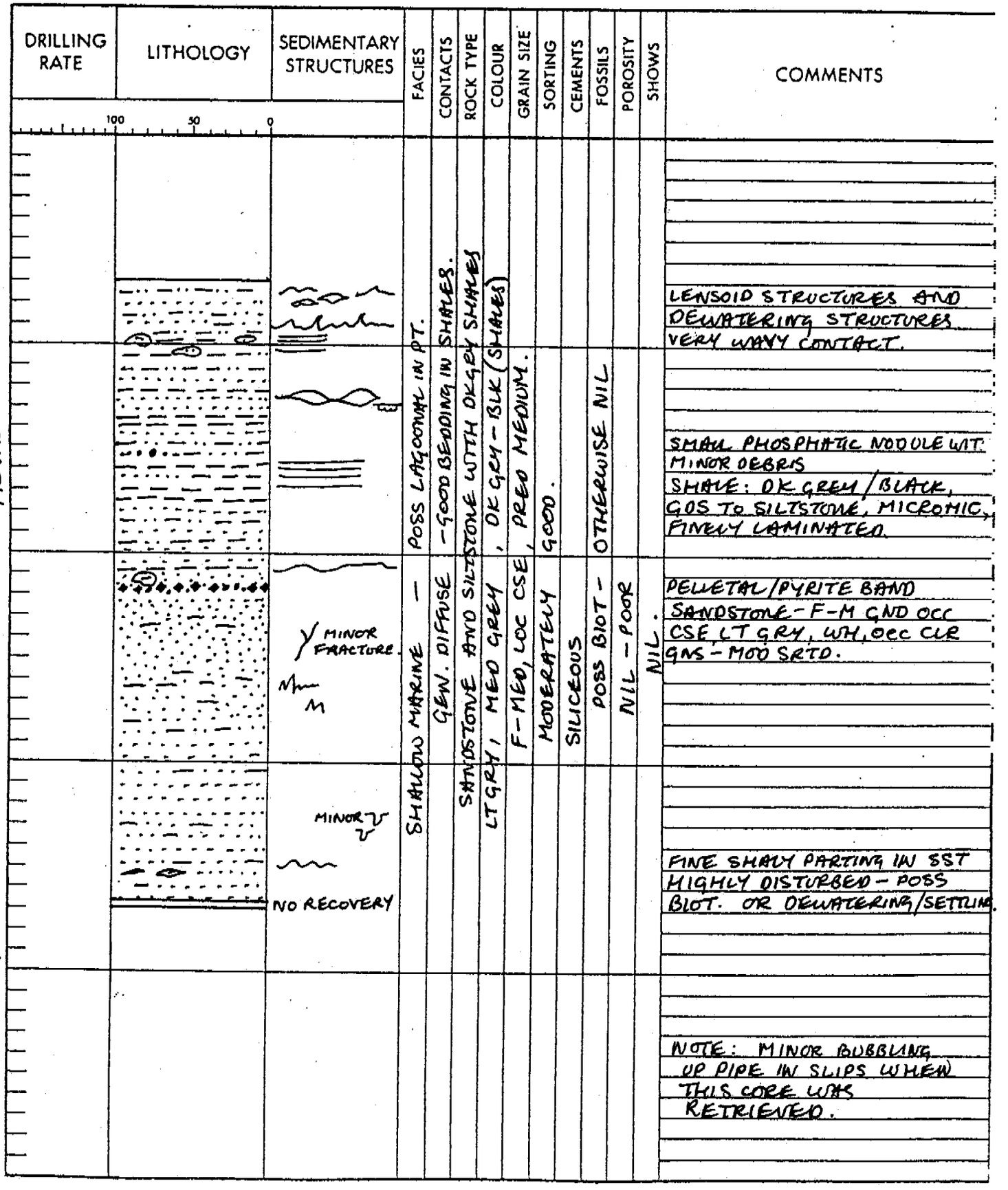
CORE DESCRIPTION FORM

Basin AMADEUS BASIN Well MT. WINTER 2A Location –

Core N° 7 Date 14/8/86 Depth 151.7. – 154.7M

m Cut 3. m Recovery 2.98 m % 99.

Bit Type / Size TRIEFUS/NQ Formation L. STAIRWAY. Described by M.D. BERRY



PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS Well MT WINTER 2A Location –

Core N°: 8 Date 14/8/86 Depth 154·7 – 155·05 M

m Cut 0·35 m Recovery 0·4m m % 114 %

Bit Type / Size TRIEFUS/NQ Formation L. STAIRWAY Described by M.O. BERRY

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0			SHALLOW MARINE	DIFFUSE	SANDSTONE	LT-GREY – WHITE	FINE, OCC MED	MODERATELY GOOD	SILICEOUS	NIL	VERY POOR	NIL.	SANDSTONE – LT GREY WITH MINOR SHALEY HORIZONS.

154

METRES

155

156

PANCON

PANCONTINENTAL PETROLEUM LIMITED

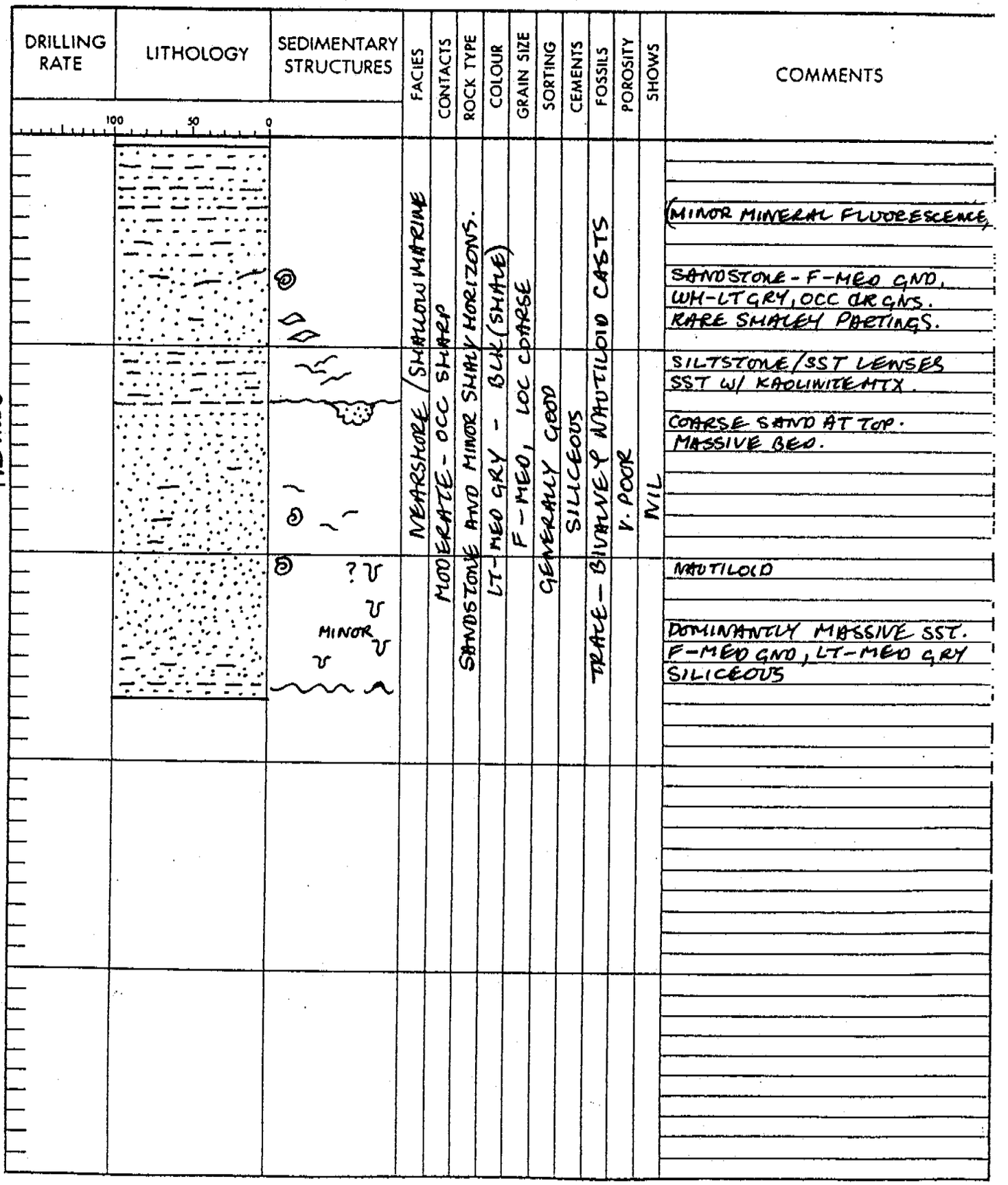
CORE DESCRIPTION FORM

Basin AMADEUS Well MT WINTER 2A Location –

Core N° 9 Date 14/8/86 Depth 155·05 – 157·70

m Cut 2·65 m Recovery 2·65 m % 100

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY. Described by M.O. BERRY.



PANCONTINENTAL PETROLEUM LIMITED

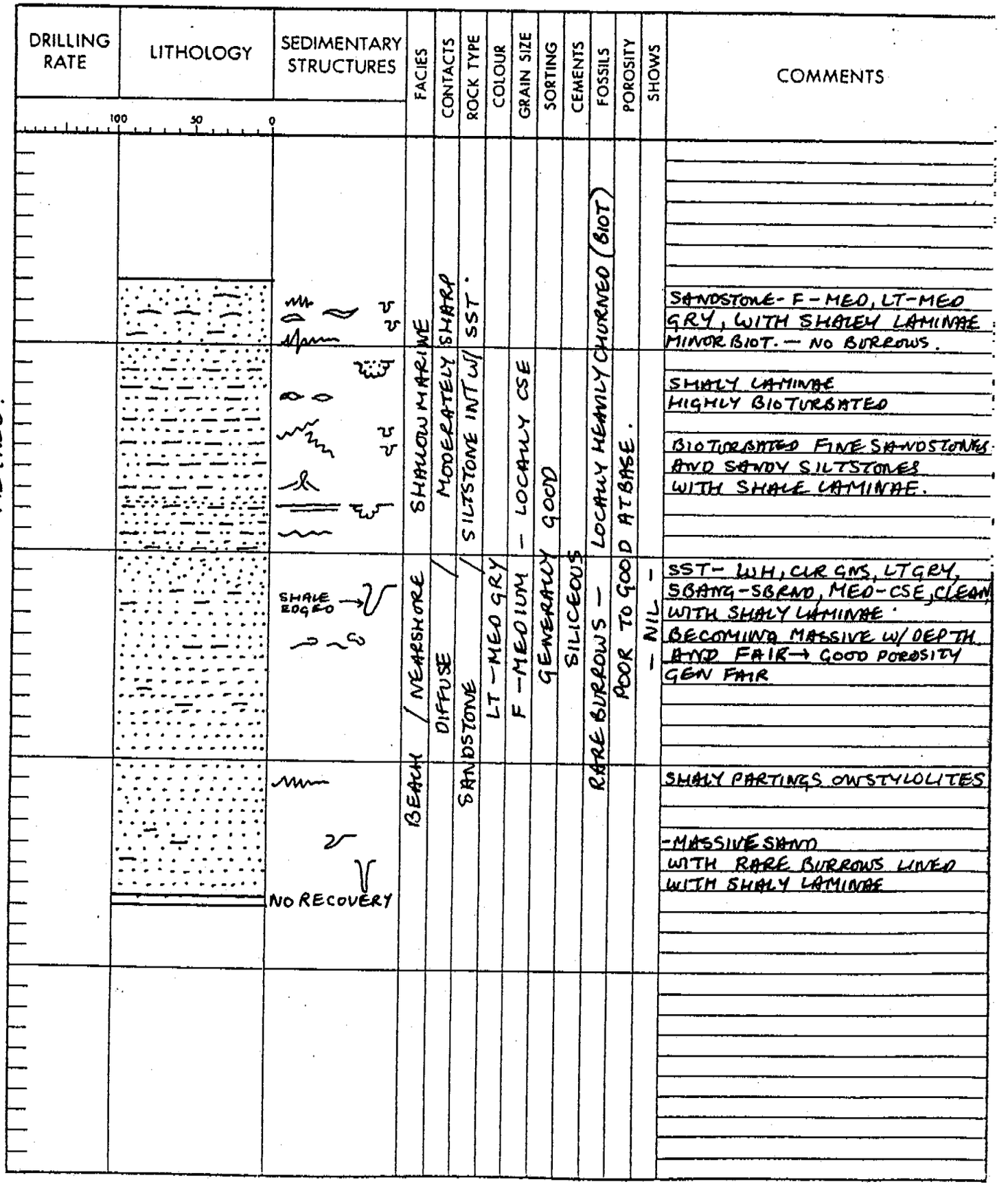
CORE DESCRIPTION FORM

Basin AMADEUS Well MT WINTER 2A Location –

Core N°: 10 Date 14/8/86 Depth 157·7 – 160·7M

m Cut 3 m Recovery 2·67 m % 99

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY. Described by M. D. BERRY



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PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS Well MT. WINTER 2A Location –

Core N° 11 Date 14/8/86 Depth 160·7 – 160·95 M

m Cut 0·25 m Recovery 0·22 m % 88

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY Described by M.D. BERRY

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0			BEACH / NEARSHORE	NIL	SANDSTONE	LT GREY	F – MED	WELL SORTED	SILICEOUS	NIL	POOR TO FAIR	NIL	MASSIVE SST – WITH FINE CONTORTED SHALY LAMINAE

160

16 METRES.

1

PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS Well MT WINTER - 2A Location –

Core N°: 12 Date 15/8/86 Depth 160·95 – 163·7M.

m Cut 2·75 m Recovery 2·83 m % 103

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY Described by M BERRY

DRILLING RATE (100 50 0)	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
160													
161			BEACH / NEARSHORE	NIL	SANDSTONE	LIGHT GREY - AND WHITE - GNS ARE OFTEN CLEAR.	F - MED, PRED MEDIUM GRAINED, LOC CSE.	MODERATELY WELL	SILICEOUS	TRACE, RARE BIOTURBATION, BIVALVE MOULDS (?)	FAIR TO V. GOOD	- NIL -	SANDSTONE - WH - LT GRY, Y CLR GNS - MED OCC CSE GND SUBRND, NOD WELL SRTD QTZOSE, CLEAN, SIL CMT, FAIR OCC GD POROSITY. LOC RNDD W/ GOOD - V GOD Ø - GNS LOC FROSTED / PITTED. TRACE FOSSILS - POSS BURROWING BIVALVES - MOULD W/ SHALY LAM.
162													SST WITH MINOR SHALY LAMINAE. GEN MASSIVE.
163													MINOR FRACTURING - SUB HORIZ AT ≏ 10-15°, Y SUBVERT AT ≏ 5-10°.
164													

METRES.

PANCONTINENTAL PETROLEUM LIMITED

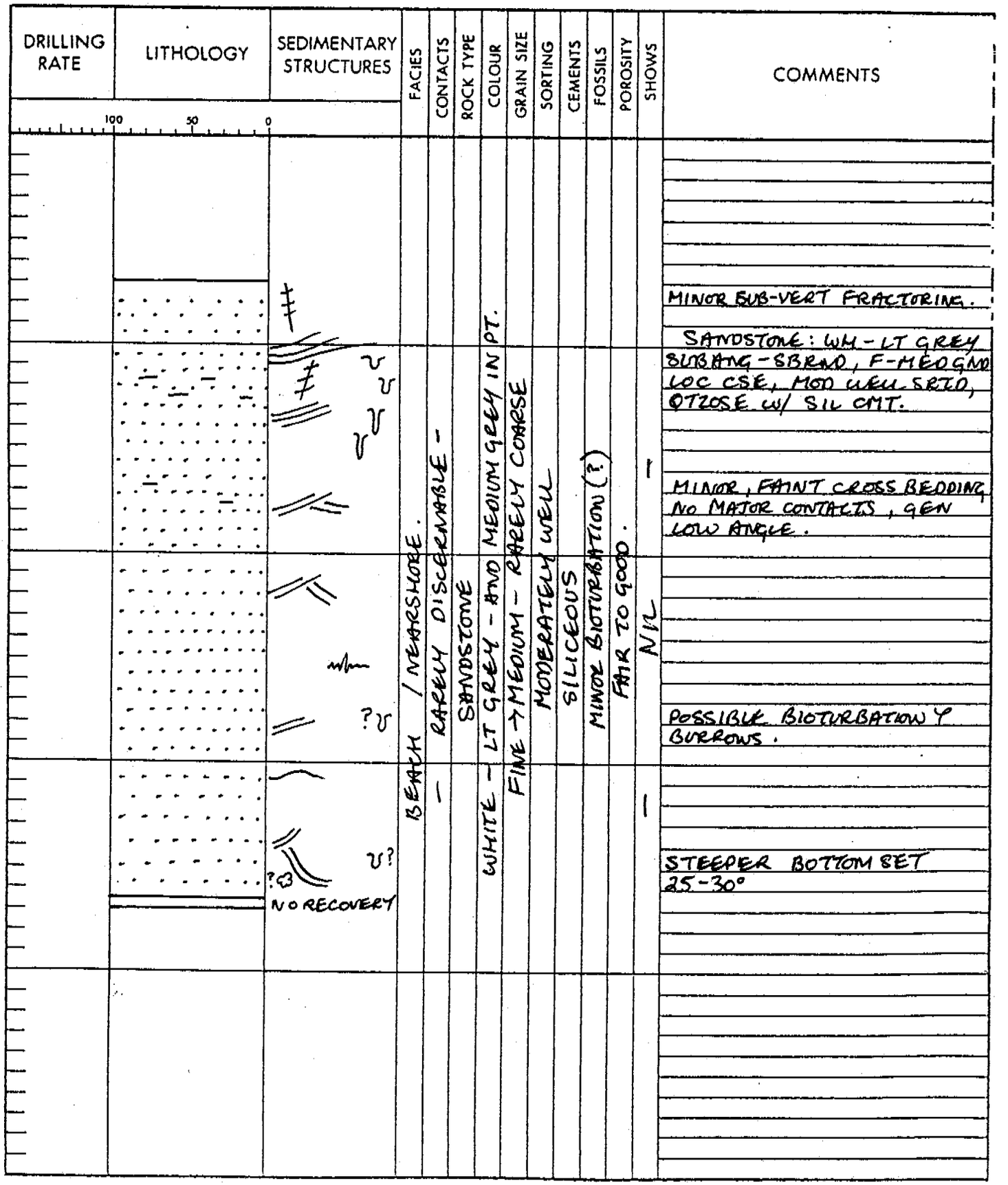
CORE DESCRIPTION FORM

Basin AMADEUS Well MT-WINTER 2A Location –

Core N° 13 Date 15/8/86 Depth 163·7 – 166·7 M

m Cut 3 m Recovery 2·83 m % 94

Bit Type / Size TRIEFUS/NQ Formation L. STAIRWAY Described by M.D BERRY



PANCONTINENTAL PETROLEUM LIMITED

CORE DESCRIPTION FORM

Basin AMADEUS Well MT. WINTER 2A Location –

Core N° 14 Date 15/8/86 Depth 166·7 – 169·7 M

m Cut 3 m Recovery 3·07 m % 102·3

Bit Type / Size TRIEFUS / NQ Formation L. STAIRWAY Described by M.D BERRY

DRILLING RATE	LITHOLOGY	SEDIMENTARY STRUCTURES	FACIES	CONTACTS	ROCK TYPE	COLOUR	GRAIN SIZE	SORTING	CEMENTS	FOSSILS	POROSITY	SHOWS	COMMENTS
100 50 0													
166													
													TRACE FOSSILS – BIVALVE MOULDS C/W SHALY/CARBONACEOUS LINING.
167													SANDSTONE – F–MED GND, WH–LT GRY & DK GRY SUBANG – SBRND, QTZOSE, CLEAN SIL CMT, POOR TO FAIR Φ.
													MINOR COARSE SST LENSES
													MASSIVE F–M GND SST.
168			BEACH / NEARSHORE	RARELY DISCERNABLE	SANDSTONE (WITH ISOL. SHALY LAMINAE)	WHITE TO LIGHT GREY, LOC MED GREY	F–MED GRAINED, ISOLATED COARSE LENSES	FAIRLY GOOD –	SILICEOUS	TRACE – BIOT. – BURROWS & ISOLATED BIVALVE MOULDS	POOR TO FAIR	– NIL	MINOR SHALY LAMINAE
													GENERALLY MASSIVE SST.
													ISOLATED BURROWS
169													X-BED AT 15–20° ANGLE.
													ISOLATED BURROWS.
170													

METRES