



PETROLEUM DIVISION

16 MAR 1993

# APPENDIX-5

NALANGIL-1

## SIDEWALL CORE DESCRIPTIONS

W1035

## SIDEWALL CORE DESCRIPTION

### NALANGIL NO. 1.

NO.	DEPTH (m)	REC. cm.	DESCRIPTION
1	345.0	2.5	<u>Claystone</u> , light to medium grey, light to medium green grey, occasionally light brown grey in part, soft, dispersive in part, sticky in part, moderately silty, very slightly carbonaceous and carbonaceous streak, trace lithics.
2	327.5	2.0	<u>Siltstone</u> , light to medium green grey, light to medium grey, soft, dispersive in part, moderately argillaceous, very slightly micaceous and carbonaceous, grading in part into very fine sandstone.
3	311.5	2.5	<u>Claystone</u> , as per Sidewall Core No.1.
4	304.5	2.5	<u>Claystone</u> , as per Sidewall Core No.1, firm in part, very slightly calcareous in part.
5	296.5	3.0	<u>Claystone</u> , as per Sidewall Core No.1, non calcareous.
6	291.0	3.5	<u>Claystone</u> , light grey, pale green grey in part, soft, dispersive in part, trace carbonaceous flecks, very slightly micaceous, rare fine lithics, non calcareous.
7	288.5	2.0	<u>Claystone</u> , light to medium grey, light green grey in part, soft, firm in part, slightly silty, rarely micaceous, trace partially altered feldspar, with minor;  <u>Sandstone</u> , medium green grey, medium grey, speckled, loose slightly friable in part, very fine to fine, silt size in part, sub-angular to sub-rounded, moderately to well sorted quartz and volcanogenic lithics, trace fine mica, rare altered feldspar, abundant dispersive argillaceous matrix, very slightly chloritic in part, slightly to moderately calcareous, no visual porosity.
8	286.5	3.0	<u>Claystone</u> , as per Sidewall Core No. 7 with minor; <u>Sandstone</u> , as per Sidewall Core No. 7, non calcareous, no visual porosity.
9	282.5	3.5	<u>Claystone</u> , medium grey, light brown grey, soft to firm, dispersive in part, very slightly sticky in part, non calcareous, slightly silty, trace carbonaceous specks, trace mica.
10	261.0	2.5	<u>Claystone</u> , off-white to very light grey, soft to firm, dispersive in part, trace mica, trace carbonaceous specks, trace lithics.

## SIDEWALL CORE DESCRIPTION

### NALANGIL NO. 1.

NO.	DEPTH (m)	REC. cm.	DESCRIPTION
11	255.5	3.0	<u>Sandstone</u> , medium to dark brown, friable, fine, rarely very fine, subangular to subrounded, well sorted iron-stained quartz, trace dark brown argillaceous matrix, dispersive, rare mica, good visual porosity, no shows.
12	254.0	3.5	<u>Sandstone</u> , as per Sidewall Core No. 11, occasionally fine to medium, trace lithics, good visual porosity, no shows.
13	251.5	4.0	<u>Sandstone</u> , as per Sidewall Core No. 12.
14	249.0	3.0	<u>Sandstone</u> , as per Sidewall Core No. 11.
15	247.0	4.0	<u>Clayey Sandstone</u> , dark brown, friable, fine to medium, subangular to subrounded, moderately sorted clear to lightly iron-stained quartz, abundant dispersive very dark brown argillaceous matrix, common coarse quartz grains and quartz overgrowth, subrounded to rounded, trace lithics, poor to fair visual porosity, no shows.
16	245.0	0.0	No recovery
17	244.0	0.0	No recovery
18	241.5	3.0	<u>Clayey Sandstone</u> , as per Sidewall Core No. 15.
19.	239.5	2.0	<u>Claystone</u> , dark brown, firm, rarely hard to very hard, dispersive in part, slightly silty with abundant quartz sand grains, fine to medium, subangular to subrounded and trace to common coarse quartz sand grains, subrounded to rounded, some with light brown staining.
20	236.0	3.5	<u>Claystone</u> , as per Sidewall Core No. 19 with trace to common quartz sand grains as per Sidewall Core No. 19.
21	202.0	4.0	<u>Claystone</u> , dark brown, dark brown grey, occasionally light green grey, soft to firm, dispersive in part, sticky in part, slightly to moderately silty, very rare fine grained quartz, slightly to moderately calcareous.
22	163.0	1.5	<u>Claystone</u> , medium brown grey, medium grey, firm, dispersive in part, moderately to strongly calcareous, trace glauconite pellets, trace fine mica flecks, slightly silty.

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NO.	DEPTH (m)	REC. cm.	DESCRIPTION
23	107.5	4.0	<u>Claystone</u> , medium brown grey, medium grey, firm, sticky, dispersive in part, moderately to strongly calcareous, trace to common very fine shell fragments, rare forams
24	72.0	3.0	<u>Sandstone</u> , light to medium brown, light to medium brown grey, friable, very fine to fine to silt size, subangular to subrounded, moderately sorted brown stained quartz, trace to occasionally common dispersive medium brown argillaceous matrix, moderately calcareous, trace forams and very fine shell fragments, rare fine mica flecks, rare very fine multi-coloured lithics, fair visual porosity, no shows.