

Attachment to WCR

Appendix 5 of WCR.

Ingleby-1

(W1038)



PETROLEUM DIVISION

16 MAR 1993

APPENDIX-5

SIDEWALL CORE DESCRIPTIONS

SIDEWALL CORE DESCRIPTION

INGLEBY NO. 1

NO.	DEPTH (m)	REC cms	DESCRIPTION
1	323.0	2.5	<u>Siltstone</u> , light grey, soft to firm, occasionally firm, blocky, dispersive in part, trace multi-coloured lithics, slightly to moderately calcareous, trace carbonaceous flecks and streaks.
2	313.5	0.0	No recovery.
3	313.0	1.8	<u>Claystone</u> , beige to light brown grey, soft, sticky, trace multi-coloured lithics, rare pyrite, very rarely very finely carbonaceous.
4	291.0	2.3	<u>Siltstone</u> , light grey to beige, soft, dispersive, abundantly argillaceous, rarely carbonaceous, rare mica flecks, in part grading into silty claystone.
5	268.0	4.0	<u>Siltstone</u> , as per Sidewall Core No. 4, in part grading into Silty Claystone with common to abundant carbonaceous flecks.
6	252.0	3.5	<u>Claystone</u> , light to medium grey, beige in part, soft, moderately silty, common carbonaceous flecks and laminae, rare mica.
7	248.0	2.3	<u>Claystone</u> , medium brown grey to medium grey, soft to firm, sticky, rarely silty, rare carbonaceous detritus.
8	245.0	2.0	<u>Claystone</u> , off white to light brown, soft to firm, dispersive, very slightly calcareous, interlaminated with; <u>Sandstone</u> , light grey, firm to hard, very fine to fine, subangular to subrounded, well sorted quartz and lithic fragments, common partially altered feldspar, common off white firm Kaolinitic clay matrix, trace calcareous cement, poor to very poor visual porosity, no shows.
9	244.0	2.2	<u>Claystone</u> , light grey, occasionally medium grey, firm, sticky, dispersive in part, commonly silty, rarely micaceous, trace carbonaceous flecks, rare fine lithic fragments.
10	242.0	3.5	<u>Sandstone</u> , light grey, friable, fine, subangular to subrounded, well sorted quartz and multi-coloured lithics (possibly of volcanic origin), abundant light grey and off white Kaolinitic clay matrix, rare very fine carbonaceous detritus, very poor visual porosity, no shows.
11	240.0	4.0	<u>Claystone</u> , medium green, firm, dispersive, lumpy (?) in part, moderately silty, trace fine lithics, rarely micaceous, very rare fine quartz sand grains, (the rock may be the by-product of decomposed tuff?).

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| 12 | 233.0 | 1.7 | <u>Basalt</u> , dark grey to black, light to medium green in part, hard to very hard, occasionally firm to hard, partially weathered and becoming sandy, generally fine grained, common very fine mica, slightly calcareous, no visual porosity. |
| 13 | 230.0 | 0.5 | <u>Decomposed Volcanics</u> , medium to dark grey, medium to dark green grey, light grey in part, friable, composed of medium grained basalt fragments, quartz and lithics in a ground mass of medium grey and occasionally off white kaolinitic (?) clay matrix, silty in part, very poor visual porosity, no shows. |
| 14 | 224.5 | 3.0 | <u>Decomposed Volcanics</u> , general as per Sidewall Core No.13 with very coarse fragments of relatively fresh basalt, dark grey to black, matrix is dominantly medium green grey and green tuffitic clay, trace silt, no visual porosity, no shows. |
| 15 | 218.0 | 3.6 | <u>Sandstone</u> , medium to dark brown, firm, friable in part, very fine, subangular to subrounded, well sorted quartz, dominantly iron-stained, occasionally clear, trace medium brown dispersive argillaceous matrix, trace medium to dark grey lithics, rare fine mica flecks, fair to good visual porosity, no shows. |
| 16 | 177.0 | 3.3 | <u>Sandstone</u> , as per Sidewall core No.15. |
| 17 | 164.0 | 3.6 | <u>Claystone</u> , medium to dark brown, firm, sticky, very rarely silty, rare lithics, very rare very fine quartz sand grains. |
| 18 | 156.0 | 3.1 | <u>Claystone</u> , as per Sidewall Core No.17 with minor cryptocrystalline pyrite cementing minor fine sand grains, rare glauconite. |
| 19 | 150.0 | 3.0 | <u>Claystone</u> , medium brown to medium brown grey, firm to soft, sticky, moderately calcareous, abundantly silty, abundant fine shell fragments, rare fine glauconite. |
| 20 | 147.5 | 3.5 | <u>Sandstone</u> , light to medium green grey, light grey in part, friable, occasionally firm, very fine to siltsize, subangular to subrounded, fairly sorted quartz, fine shell fragments and multi-coloured lithics, common light grey argillaceous matrix, moderately calcareous (possibly due to shell fragments), trace fine glauconite, poor to fair visual porosity, no shows. |
| 21 | 143.0 | 4.0 | <u>Sandstone</u> , as per Sidewall Core No.20. |
| 22 | 126.0 | 3.5 | <u>Sandstone</u> , as per Sidewall Core No.20, dominantly medium green grey, abundantly argillaceous. |
| 23 | 100.0 | 3.0 | <u>Siltstone</u> , medium grey to medium green grey, firm, sticky, abundantly argillaceous and grading into Silty Claystone in part, moderately calcareous, rarely carbonaceous, rarely very finely micaceous. |
| 24 | 75.0 | 3.1 | <u>Siltstone</u> , grading into Silty Claystone as per Sidewall Core No.33. |