

## Thylacine-1 Cuttings Lithological Descriptions

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
760	Clyst	calc	100	Calcareous Claystone, lt gy-med lt gy-lt ol gy, soft to firm, amorphous to sub-blocky, 60% siliceous clay, 40% calcareous clay, 0.1% very fine to fine grained, rarely medium to very coarse grained clear to light pink siliceous sand, 0.1% vf gr glauconite, 0.1% mica, 0.1% coal, 0.1% vf gr lithic frags, 0.1% nodular and disseminated pyrite.
770	Sst		100	Calcareous Claystone: a/a
790	Clyst	calc	90	Calcareous Claystone: a/a with trace sponge spicules grades to argillaceous calcilutite
	Sst		10	Sandstone, multicoloured, loose, subrounded to subangular, slightly spherical to slightly elongated, 100% clear to light yellow to light pink siliceous sand, 20% very fine grained, 60% fine grained, 20% medium grained, poor to moderately sorted, 0.1% coarse grained, common lt yellow to lt yellow brown lithic fragments, rare aggregates with trace calc cement and argillaceous matrix. no show.
800	Clyst	calc	99	Calcareous Claystone: a/a
	Sst		1	Sandstone: a/a
810	Cl	arg	99	Argillaceous Calcilutite, lt gy-med lt gy-lt ol gy, soft to firm, amorphous to sub-blocky, 55% calcareous clay, 45% siliceous clay, 0.1% very fine to fine grained, rarely medium to coarse grained clear to light pink siliceous sand, 0.1% vf gr glauconite, 0.1% coal, 0.1% vf gr lithic frags, 0.1% nodular and disseminated pyrite.
	Sst		1	Sandstone: a/a
820	Cl	arg	99	Argillaceous Calcilutite: a/a
	Cl		1	Calcilutite, wh, hard, sub-block.
830	Clyst	calc	100	Calcareous Claystone: a/a
840	Clyst	calc	100	Calcareous Claystone, med lt gy-med gy-sl ol gy, firm to moderately hard, sub-blocky, 40% calcareous clay, 60% siliceous clay, 0.1% siliceous silt, 0.1% very fine grained siliceous sand, 0.1% glauconite, 0.1% coal, 0.1% pyrite.
850	Clyst	calc	100	Calcareous Claystone: a/a
860	Clyst	calc	100	Calcareous Claystone: a/a
870	Clyst	calc	100	Calcareous Claystone: a/a
880	Clyst	calc	100	Calcareous Claystone: a/a
900	Clyst	calc	100	Calcareous Claystone: a./a with pyrite increasing from trace to common.
920	Clyst	calc	100	Calcareous Claystone: a./a grades to Argillaceous Calcarenite
940	Clyst	calc	100	Calcareous Claystone: lt gy-med lt gy-lt ol gy, soft to firm, sub-blocky, 0.1% siliceous silt, 0.1% glauconite, 0.1% coal, 0.1% pyrite. Grades to Argillaceous Calcilutite.
960	Clyst	calc	100	Calcareous Claystone: a./a grades to Argillaceous Calcarenite
980	Clyst	calc	100	Calcareous Claystone: a./a grades to Argillaceous Calcarenite
1000	Clyst	calc	100	Calcareous Claystone: a./a grades to Argillaceous Calcarenite
1010	Cl	arg	100	Argillaceous Calcilutite: grades to Calcareous Claystone a/a
1020	Clyst	calc	100	Calcareous Claystone: a./a
1030	Clyst	calc	100	Calcareous Claystone: a./a
1040	Clyst	calc	100	Calcareous Claystone: a./a
1060	Clyst	calc	100	Calcareous Claystone: a./a
1070	Clyst	calc	100	Calcareous Claystone: becoming siltier i/p
1090	Clyst	calc	100	Calcareous Claystone: becoming siltier i/p, rarely grading to a Silty Calcareous Claystone.
1110	Clyst	calc	100	Calcareous Claystone: becoming siltier i/p, rarely grading to a Silty Calcareous Claystone.
1120	Clyst	calc	90	Calcareous Claystone a/ a.
	Cl		10	Calcilutite, white to very light grey, soft to firm, sub-blocky, 89% calcareous clay, 9% light grey argillaceous material, trace silt sized medium to dark grey lithic fragments.
1130	Clyst	calc	70	a/ a
	Cl		30	a/ a
1140	Clyst	calc	10	a/ a
	Cl		90	a/ a, trace glauconite.
1150	Clyst	calc	20	a/ a
	Cl		80	a/ a
1160	Clyst	calc	20	a/ a
	Cl		80	a/ a

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1170	Clyst	calc	20	a/ a - Sample unreliable due to work on shakers.
	Cl		80	a/ a
1180	Clyst	calc	10	a/ a
	Cl		10	a/ a
	Clyst	carb	70	Carbonaceous Claystone: dark to very dark brown grey, soft to firm, sub-blocky, 20% carbonaceous material, trace siliceous silt, trace micromica, trace pyrite nodules, trace forams.
	Sst		10	Sandstone, colourless, translucent minor clear, loose to moderately hard, medium to very coarse grained quartz, rounded, to subangular, poorly sorted, slightly spherical, to spherical, minor aggregates with 5 to 25% pyrite cement, trace to 5% dolomitic cement, trace glauconite, 20% inferred porosity, 5 to 10% visual porosity, no fluorescence.
1190	Clyst	carb	10	a/ a
	Sst		90	Sandstone, colourless, rare yellow, translucent minor clear, loose minor hard, medium to very coarse grained quartz grains, minor quartz granules and shards > 3mm, rounded, to angular, poorly sorted, slightly spherical, to spherical, minor aggregates with 5 to 25% pyrite cement, trace to 5% dolomitic cement, trace glauconite, 20% inferred porosity, 5 to 10% visual porosity, no fluorescence.
1200	Sst		100	a/ a.
1210	Sst		100	a/ a, more medium grained, rare hard to very hard aggregates.
1220	Sst		100	a/ a, trace quartz granules and shards.
1230	Sst		100	Sandstone, colourless, yellow, translucent to clear, loose to moderately hard, fine to medium minor coarse grained quartz, rounded, to subangular, moderately sorted, slightly spherical, to spherical, trace aggregates with 10 to 20% pyritic cement, trace aggregates with 5% dolomitic cement, trace glauconite, trace foraminifera, 20% inferred porosity, no fluorescence.
1240	Sst		100	a/ a
1250				Sample lost due to shaker overflow
1260	Sst		100	a/ a, trace red ferric staining.
1270	Sst		70	Sandstone, colourless, yellow, trace red ferric staining, trnsl to opaque minor clear, loose to moderately hard, fine to very coarse grained quartz, trace granular quartz, rounded to subangular, poorly sorted, slightly spherical, to spherical, trace dolomitic cement, trace glauconite, 20% porosity.
	Clyst	slty	30	Silty Claystone: dark brown, dark green, soft to firm, dispersive, 30% siliceous silt, trace very fine grained quartz, trace to 10% glauconite, trace silty carbonaceous material.
1280	Sst		30	a/ a
	Clyst	slty	70	a/ a
1290				Sample washed away
1300	Sst		90	a/ a
	Clyst	slty	10	a/ a
1310	Sst		70	a/ a
	Clyst	slty	30	a/ a
1320	Sst		80	a/ a
	Clyst	slty	20	a/ a
1330	Sst		20	a/ a
	Clyst		80	Claystone: dark brown, dark green, soft rare firm, dispersive, 10% siliceous silt, trace glauconite, trace nodular pyrite.
1340	Sst		20	a/ a
	Clyst		80	Claystone: a/a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
1350	Sst		20	a/ a
	Clyst		80	Claystone: a/a
1360	Sst		10	a/ a
	Clyst		90	Claystone: a/a
1370	Sst		10	a/ a, finer grained components increasing
	Clyst		90	Claystone: a/a
1380	Sst		10	Sandstone, clr-yel brn stain, loose rarely moderately hard when consolidated, rounded to subangular, poorly sorted, slightly spherical to spherical, 5% siliceous clay matrix when consolidated, 95% siliceous sand, 10% very fine grained, 20% fine grained, 30% medium grained, 20% coarse grained, 15% very coarse grained, 5% granules, 0.1% glauconite.
	Clyst		90	Claystone, dk brn-ol brn, soft to firm, dispersive, 80% siliceous clay, 20% siliceous silt, 0.1% pyrite.
1390	Sst		30	Sandstone, clr-yel brn stain, loose rarely moderately hard when consolidated, rounded to subangular, poorly sorted, slightly spherical to spherical, 5% siliceous clay matrix when consolidated, 95% siliceous sand, 10% very fine grained, 20% fine grained, 30% medium grained, 20% coarse grained, 15% very coarse grained, 5% granules, 0.1% glauconite.
	Clyst		70	Claystone, dk brn-olv brn, soft to firm, dispersive, 80% siliceous clay, 20% siliceous silt, 0.1% pyrite.
1400	Sst		90	Sandstone, cl-occ yel brn stained, rare pk, loose, subrounded to subangular, poorly sorted, slightly spherical, 5% very fine grained, 10% fine grained, 35% medium grained, 35% coarse grained, 10% very coarse grained, 5% granules, rare glauconitic clay matrix 0.1% glauconite, 25 % inferred porosity.
	Clyst		10	Claystone: a/a
1410	Sst		30	Sandstone: a/a
	Clyst		70	Claystone, dk yel brn, soft, dispersive, 100% siliceous clay, hydrophobic.
1420	Sst		30	Sandstone: a/a
	Clyst		70	Claystone, dk yel brn, soft, dispersive, 100% siliceous clay, hydrophobic.
1430	Sst		30	Sandstone: a/a
	Clyst		70	Claystone, dk yel brn-dk red brn, soft, dispersive, hydrophobic, 90% siliceous clay, 10% siliceous silt, 0.1% siliceous sand, 95% very fine grained, 5% fine grained, 0.1% coal.
1440	Sst		10	Sandstone, cl-yel brn-rd brn stained, loose, rounded to subangular, poorly sorted, slightly spherical, 5% very fine grained, 10% fine grained, 35% medium grained, 35% coarse grained, 10% very coarse grained, 5% granules, 0.1% glauconite, 25 % inferred porosity.
	Clyst		90	Claystone, dk yel brn-dk red brn, soft, dispersive, hydrophobic, 90% siliceous clay, 10% siliceous silt, 0.1% siliceous sand, 95% very fine grained, 5% fine grained, 0.1% coal.
1450	Sst		10	Sandstone: a/a
	Clyst		90	Claystone: a/a
1460	Sst		5	Sandstone: a/a
	Clyst		95	Claystone: a/a, becoming more grey brown
1470	Sst		5	Sandstone, cl-wh-yel brn, loose, subrounded to subangular, poorly sorted, slightly spherical, 100% siliceous sand, 5% very fine grained, 20% fine grained, 40% medium grained, 20% coarse grained, 10% very coarse grained, 5% granules, 0.1% glauconite.
	Clyst		95	Claystone, dk brn gy-dk gy-brn blk, soft, dispersive, 0.1% coal.
1480	Sst		5	Sandstone: a/a
	Clyst		95	Claystone, dk brn gy-dk gy-brn blk, soft, dispersive, 5% calcareous clay, 90% siliceous clay, 5% siliceous silt, 0.1% silt-very fine grained and nodular pyrite, 0.1% glauconite, 0.1% coal.
1490	Sst		4	Sandstone, cl-wh-yel brn, loose, subangular to subangular, moderately sorted, slightly spherical, 100% siliceous sand, 30% very fine grained, 50% fine grained, 20% medium grained, 0.1% glauconite.
	Clyst		95	Claystone: a/a
	Cl	arg	1	Argillaceous Calcilutite: off wh-very lt gy, soft, sub-blocky, 25% siliceous clay, 0.1% siliceous sand.

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
1500	Sst		1	Sandstone: a/a
	Clyst		99	Claystone: a/a
1510	Sst		1	Sandstone: a/a
	Clyst		98	Claystone: a/a
	Cl	arg	1	Argillaceous Calcilutite: a/a
1520	Sst		1	Sandstone: a/a
	Clyst		99	Claystone: a/a, possibly becoming slightly sandy.
1530	Clyst		100	Claystone, dk brn gy-dk gy-brn blk, soft, dispersive, subrounded to subangular, moderately sorted, slightly spherical, 85% siliceous clay, 5% siliceous silt, 10% siliceous sand, 80% very fine grained, 20% fine grained, 0.1% medium grained, 0.1% pyrite, 0.1% glauconite, 0.1% coal, 0.1% mica.
1540	Clyst		100	Claystone: a/a
1550	Clyst		100	Claystone: a/a, the rare off white components are slightly calcareous.
1560	Clyst		100	Claystone, light to medium olive grey, minor dark grey, soft, sticky to dispersive, 8% siliceous silt, 2% very fine to fine grained quartz, trace nodular and disseminated pyrite, trace micromica, trace silty carbonaceous detritus.
1570	Clyst		100	a/ a
1580	Clyst		100	a/ a
1590	Clyst		100	a/ a
1600	Clyst		100	a/ a
1610	Clyst		90	a/ a
	Sst		10	Sandstone, colourless, yellow, red/brown, loose, predominantly fine to medium minor to rare very fine and coarse quartz grains, subangular, minor subrounded, moderately sorted, sub spherical, good inferred porosity, no fluorescence. <b>Note Sand coincides with Circal (CaCO3) addition to mud system (in response to downhole losses) - circal may have plugged seepage zones thereby improving hole cleaning / annular velocity</b>
1620	Clyst		90	a/ a
	Sst		10	a/ a
1630	Clyst		100	Claystone, light to medium olive grey, soft, sticky to dispersive, 5% siliceous silt, trace very fine to fine grained quartz, trace disseminated pyrite, trace micromica, trace silty carbonaceous detritus and microlamiae. <b>Note Circal contamination.</b>
1640	Clyst		100	a/a
1650	Clyst		100	a/a
1660	Clyst		100	a/a
1670	Clyst		100	a/a
1680	Clyst		100	a/a
	Sst		10	Sandstone: colourless, clear to translucent, loose, predominantly very fine to fine common medium quartz grains, subangular to subrounded, moderately sorted, slightly spherical, 20% inferred porosity, no fluorescence.
1690	Clyst		100	a/ a
	Sst		10	a/ a
1700	Clyst		100	a/ a
	Sst		10	a/ a
1710	Clyst		100	a/ a
1720	Clyst		100	Claystone, light to medium olive grey, soft, sticky to dispersive, 5% siliceous silt, trace very fine to fine grained quartz, trace micromica, trace glauconite, trace silty carbonaceous detritus.
1730	Clyst		100	a/ a
1740	Clyst		100	a/ a
1750	Clyst		100	a/ a
1760	Clyst		100	a/ a
1770	Clyst		100	a/ a, trace nodular pyrite.
1780	Clyst		100	a/ a
1790	Clyst		100	a/ a
1810	Clyst		100	a/ a
1820	Clyst		100	a/ a
1830	Clyst		100	a/ a with trace innoceramus

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
1840	Clyst		100	a/ a
1850	Clyst		100	a/ a
1855	Clyst		100	a/ a <b>Finish 12.25" section (1855 mMDRT)</b>
	Clyst		70	<b>- Start 8.5" section.</b> Claystone a/ a.
1858	Sst		30	Sandstone, colourless, white, clear to translucent, loose, very fine to medium predominantly fine quartz grains, subangular to subrounded, moderately sorted, slightly spherical, no fluorescence. - <b>Unreliable sample - 1st sample after casing (note only trace cement contamination)</b>
1867	Clyst		100	Claystone, light to medium olive grey, rare off white, soft to firm, dispersive to sticky, minor subblocky, minor siliceous silt, trace to minor very fine grained to fine grained rare medium grained quartz trace disseminated pyrite, trace silty carbonaceous material, trace micromica, trace micrite.
1876	Clyst		100	a/ a
1885	Clyst		100	a/ a
1894	Clyst		100	a/ a
1903	Clyst		100	a/ a
1912	Clyst		100	a/ a
1921	Clyst		100	a/ a
1930	Clyst		100	Claystone, light to medium olive grey, minor medium to dark grey, soft to firm, dispersive to sticky, minor subblocky, minor siliceous silt, trace to minor very fine grained to fine grained rare medium grained quartz trace disseminated pyrite, trace nodular pyrite, trace to minor silty carbonaceous material, trace micromica, trace glauconite, trace micrite, trace siderite (nodules?).
1939	Clyst		100	a/ a
1948	Clyst		100	a/ a, becoming medium to dark grey, soft to firm becoming moderately hard in parts, dispersive to subblocky, minor siliceous silt, trace to minor very fine grained to fine grained rare medium grained quartz trace disseminated pyrite, trace nodular pyrite, trace to 10% silty carbonaceous material, trace micromica, trace glauconite, trace micrite,
1957	Clyst		100	Claystone a/ a.
1966	Clyst		100	Claystone a/ a.
1972	Clyst		100	Claystone a/a, occasionally moderately hard.
1978	Clyst		100	Claystone a/a
1984	Clyst		100	Claystone a/a
1990	Clyst		100	Claystone a/a
1996	Clyst		100	Claystone a/a
2202	Clyst		100	Claystone a/a rarely grading to Silty Claystone
	Clyst		99	Claystone a/a rarely grading to Silty Claystone
2008	Sst		1	Sandstone, cl-occ wh-It yel , loose,subangular to subrounded, moderately sorted, slightly spherical to slightly elongated, 100% siliceous sand, 70% very fine grained, 20% fine grained, 10% medium grained, 0.1% glauconite, 0.1% pyrite, 0.1% It yel brn to moderate brown lithic fragments.
2014	Clyst		99	Claystone a/a rarely grading to Silty Claystone
	Sst		1	Sandstone a/a
2020	Clyst		100	Claystone a/a rarely grading to Silty Claystone
2026	Clyst		100	Claystone a/a rarely grading to Silty Claystone
2032	Clyst		100	Claystone a/a rarely grading to Silty Claystone
2038	Clyst		100	Claystone a/a rarely grading to Silty Claystone
2044	Clyst		100	Claystone a/a rarely grading to Silty Claystone

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2050	Clyst		70	Claystone a/a rarely grading to Silty Claystone and becoming dominantly dispersive
	Sst		30	Sandstone, cl-wh-yel brn, loose, subrounded to angular, moderately sorted, slightly spherical, 100% siliceous sand, 40% very fine grained, 40% fine grained, 20% medium grained, 18 % porosity.
2053	Clyst		60	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	40	Argillaceous Sandstone, cl-wh when loose, off white aggregates, loose to friable, sub-blocky, subrounded to sub angular, poorly to moderately sorted, slightly spherical, 1% calcareous clay, 39% siliceous clay, 60% siliceous sand, 30% very fine grained, 40% fine grained, 30% medium grained, trace coarse grained, occasional weak to moderate calcareous cement, 0.1% glauconite, 5 % porosity in the aggregated portions, grades to arenaceous claystone in parts.
2056	Clyst		60	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	40	Sandstone a/a
2059	Clyst		60	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	40	Sandstone a/a
2062	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	20	Sandstone a/a
2065	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Sandstone a/a
2068	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Argillaceous Sandstone, cl-wh, off white - very lt grey aggregates, loose, to friable, sub-blocky, subrounded, to subangular, poorly sorted, to moderately sorted, slightly spherical, 1% calcareous clay, 29% siliceous clay, 70% siliceous sand, 35% very fine grained, 45% fine grained, 20% medium grained, 0.1% coarse grained, 0.1% very coarse grained, 0.1% calcite cement, 0.1% glauconite, 0.1% coal, 0.1% pyrite, trace dark brown lithic fragments, 5 % porosity.
2071	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Sandstone a/a, non calcareous
2074	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Sandstone a/a
2077	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Sandstone a/a
2080	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Sandstone a/a, becoming more fine grained
2083	Clyst		90	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Sandstone a/a
2086	Clyst		99	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	1	Sandstone a/a
2092	Clyst		99	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	1	Sandstone a/a
2095	Clyst		90	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	10	Sandstone a/a
2098	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	20	Sandstone a/a
2101	Clyst		80	Claystone a/a rarely grading to Silty Claystone
	Sst	arg	20	Sandstone a/a
2104	Clyst		99	Claystone, off white - lt -med olive gy, soft, to moderately hard, dispersive, to sub-blocky, 0.1% calcareous clay, 86% siliceous clay, 9% siliceous silt, 5% siliceous sand, 90% very fine grained, 10% fine grained, 0.1% medium grained, 0.1% pyrite, 10% coal, 0.1% mica, 0.1% glauconite, 0.1% siderite concretions, grades to arenaceous claystone in parts.
	Sst	arg	1	Sandstone a/a
2107	Clyst		99	Claystone a/a
	Sst	arg	1	Sandstone a/a
2110	Clyst		99	Claystone a/a
	Sst	arg	1	Sandstone a/a
2113	Clyst		99	Claystone a/a
	Sst	arg	1	Sandstone a/a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2116	Clyst		99	Claystone a/a
	Sst	arg	1	Sandstone a/a
2119	Clyst		99	Claystone a/a
2122	Clyst		99	Claystone a/a
2125	Clyst		99	Claystone a/a
2128	Clyst		99	Claystone a/a
2131	Clyst		99	Claystone a/a
2134	Clyst		99	a/ a
	Sst	arg	1	a/ a
2137	Clyst		99	a/ a
	Sst	arg	10	a/ a
2140	Clyst		90	a/ a
	Sst	arg	10	a/ a
2143	Clyst		40	Claystone: a/ a.
	Sst	arg	60	Argillaceous Sandstone: white to off white yellow grey, rare light grey to light olive grey, predominantly loose rare moderately hard, very fine to fine minor medium and rare coarse quartz grains, subangular to subrounded, moderately sorted, slightly spherical, rare aggregates with 10% siliceous cement, trace aggregates with 10 to 15% sideritic cement, 10 to 25% very light grey argillaceous matrix, trace disseminated pyrite, trace red/brown and grey lithic fragments, trace very fine to coarse carbonaceous detritus, 7% visual porosity, no fluorescence.
2146	Clyst		20	a/ a
	Sst	arg	80	a/ a
2149	Clyst		20	a/ a
	Sst	arg	80	a/ a, trace chlorite?
2152	Clyst		10	a/ a
	Sst	arg	90	a/ a, trace aggregates with 5% pyritic cement.
2155	Clyst	sdv	10	Arenaceous Claystone: light to medium grey, minor dark grey, soft to firm, dispersive to sub-blocky, 20% very fine quartz grains, 10% siliceous silt, 5% silty to very fine carbonaceous detritus, trace carbonaceous microlaminae, trace disseminated pyrite, trace micromica.
	Sst	arg	90	a/ a
2158	Clyst	sdv	10	a/ a
	Sst	arg	90	a/ a
2161	Sst	arg	90	a/ a
	Sst		10	Sandstone, colourless, clear to translucent, loose, rare moderately hard aggregates, fine to medium common coarse and minor very coarse quartz grains, rare coarse to very coarse quartz shards, angular to subrounded, poorly sorted, slightly spherical, trace siliceous cement, trace pyritic cement, trace glauconite? trace dark brown-grey lithics, trace silty to very fine carbonaceous detritus, 20% inferred porosity, no fluorescence.
2164	Sst	arg	60	a/ a
	Sst		40	a/ a
2165	Sst		100	a/ a. <b>Stop drilling to cut core 1.</b>
2167	Sst	arg	65	Sandstone a/a but unconsolidated. <b>Descriptions obtained from cuttings during coring 1965 - 2001 m.</b>
	Sst		25	Sandstone, clss, clr-trans, loose, angular, to subrounded, poorly sorted, slightly spherical, 100% siliceous sand, 30% fine grained, 40% medium grained, 20% coarse grained, 10% very coarse grained, 0.1% glauconite, 0.1% coal, 0.1% lithic fragments, 20% porosity.
	Clyst		10	Claystone, lt gy to med dk gy, soft, to moderately hard, 95% siliceous clay, 5% siliceous silt, 0.1% siliceous sand, 100% very fine grained, 0.1% glauconite, 0.1% coal, possible cavings.
2170	Sst	arg	45	Argillaceous Sandstone, wh-off wh-yl grey, rare lt gy-lt ol gy, loose, subangular, to subrounded, moderately sorted, slightly spherical, 25% siliceous clay, 75% siliceous sand, 40% very fine grained, 44% fine grained, 15% medium grained, 1% coarse grained, 0.1% pyrite, 0.1% lithic fragments, 7 % porosity.
	Sst		45	Sandstone a/a
	Clyst		10	Claystone: a/a
2173	Sst	arg	80	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Sst		10	Sandstone a/a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
	Clyst		10	Claystone: a/a
2176	Sst	arg	80	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Sst		10	Sandstone a/a
	Clyst		10	Claystone: a/a
2179	Sst	arg	65	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		25	Claystone, off-wh to yel grey, soft, dispersive, 85% siliceous clay, 5% siliceous silt, 10% siliceous sand, 40% very fine grained, 44% fine grained, 15% medium grained, 1% coarse grained, 0.1% pyrite, 0.1% coal, 0.1% lithic fragments. Grades to Sandy Claystone and Argillaceous Sandstone a/a.
	Clyst		10	Claystone: a/a
2182	Sst	arg	15	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		85	Claystone: a/a
2185	Sst	arg	15	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		85	Claystone: a/a
2188	Sst	arg	10	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		90	Claystone: a/a
2191	Sst	arg	10	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		90	Claystone: a/a
2194	Sst	arg	10	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		90	Claystone: a/a
2197	Sst	arg	10	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		90	Claystone: a/a
2198	Sst	arg	10	Sandstone a/a, but unconsolidated to soft, grades to sandy claystone
	Clyst		60	Claystone: a/a
	Clyst		30	Claystone, lt brn gy to brn gy to med gy dk gy, soft, to moderately hard, amorphous, to sub-blocky, 90% siliceous clay, 10% siliceous silt, 0.1% siliceous sand, trace glauconite, common carbonaceous specks, trace pyrite, trace mica. Grades to Arenaceous Claystone in parts
2205	Clyst		99	Claystone, medium grey to medium dark grey, soft to moderately hard, dispersive to rarely sub-blocky, common siliceous silt, common very fine to trace fine grained quartz, tr carbonaceous specks, trace pyrite.
	Sst		1	Sandstone, light grey to medium light grey, loose to firm, sub-blocky, very fine grained to fine grained, common medium grained, trace coarse grained colourless quartz, subangular to subrounded, moderately sorted, slightly spherical, common off white to very light grey clay matrix, trace siliceous silt, weak to moderate siliceous cement, trace pyrite cement, trace carbonaceous specks, trace brown lithic fragments, trace mica, trace glauconite, 5 % visible porosity, no show. Grades to Argillaceous Sandstone in parts
2210	Clyst		99	Claystone: a/a, <b>Reconciliation of the core descriptions (from core 1) against the corresponding cuttings descriptions indicates that sample quality is extremely poor. The claystones are being washed out of the samples and the sandstones are being ground into rock flour which was previously mistaken for an off white claystone. Cuttings descriptions from 2201 m are highly interpretive.</b>
	Sst		1	Sandstone a/a,
2215	Clyst		99	Claystone: a/a,
	Sst		1	Sandstone a/a,
2220	Clyst		99	Claystone: a/a,
	Sst		1	Sandstone a/a,
2225	Clyst		99	Claystone: a/a,
	Sst		1	Sandstone a/a,
2230	Clyst		90	Claystone: a/a,
	Sst		10	Sandstone, light grey to medium light grey, loose to firm, sub-blocky, very fine grained to fine to very coarse grained, dominantly fine to medium grained colourless quartz, subangular to subrounded, moderately sorted, slightly spherical, common off white to very light grey clay matrix, trace siliceous silt, weak to moderate siliceous cement, trace pyrite cement, trace carbonaceous specks, trace brown lithic fragments, trace mica, trace glauconite, 5-10 % visible porosity, no show. Grades to Arenaceous Sandstone in parts.
2235	Clyst		90	Claystone: a/a
	Sst		10	Sandstone a/a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2240	Clyst		80	Claystone: a/a
	Sst		20	Sandstone a/a
2245	Clyst		99	Claystone: a/a
	Sst		1	Sandstone a/a
2250	Clyst		90	Claystone: a/a
	Sst		10	Sandstone a/a
2255	Clyst		50	Claystone, medium to dark grey, soft to moderately hard, subblocky, 10% siliceous silt, 10% very fine to fine quartz grains, trace to 10% silty carbonaceous detritus, trace disseminated pyrite, trace micromica.
	Sst		50	Sandstone, light grey, loose to friable, predominantly very fine common fine minor medium and rare coarse quartz grains, subangular, moderately sorted, slightly spherical, 10% siliceous cement in parts, trace pyritic cement, trace to 10% light grey argillaceous matrix, pyrite cement, trace carbonaceous detritus and microlaminae, trace dark grey lithic fragments, 15% inferred porosity, no fluorescence.
2260	Clyst		20	a/ a <b>Note Claystone % is artificially low due to bit action and washing of sample.</b>
	Sst		80	a/ a, no lithics.
2265	Clyst		10	a/ a
	Sst		90	a/ a
2270	Clyst		30	a/ a
	Sst		70	a/ a, trace very coarse quartz grains.
2275	Clyst		10	a/ a
	Sst		90	a/ a
2280	Clyst		10	a/ a
	Sst		90	a/ a
2285	Clyst		10	a/ a
	Sst		90	a/ a, rare very coarse quartz grains.
2290	Clyst		10	a/a
	Sst		90	Sandstone: light grey, loose to friable, very fine to medium, minor coarse and very coarse quartz grains, subangular poorly sorted, slightly spherical, 10% siliceous cement in parts, trace pyritic cement, 10% light grey argillaceous matrix, 5% carbonaceous detritus, 15% inferred porosity, no fluorescence.

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2295	Clyst		10	a/ a
	Sst		90	a/ a, trace coarse quartz grains.
2300	Clyst		20	a/ a
	Sst		80	a/ a
2305	Clyst		20	a/ a
	Sst		80	Sandstone, light grey, colourless, clear to translucent, predominantly loose minor friable, fine to coarse minor very fine and very coarse quartz grains, rare quartz shards, subangular to angular, moderately sorted, slightly spherical, 10% siliceous cement, trace pyritic cement, no visible matrix, trace carbonaceous detritus, 20% inferred porosity, no fluorescence.
2310	Clyst		10	a/ a
	Sst		90	Sandstone, light grey, loose to friable, very fine to medium minor coarse grained quartz, subangular, poorly sorted, slightly spherical, 10% siliceous cement in parts, trace pyritic cement, 10% light grey argillaceous material, trace carbonaceous material, 10% inferred porosity, no fluorescence.
2315	Clyst		10	a/ a
	Sst		90	a/ a
2320	Clyst		20	a/ a
	Sst		80	a/ a
2325	Clyst		20	a/ a
	Sst		80	a/ a
2330	Clyst		20	a/ a
	Sst		80	a/ a
2335	Clyst		20	a/ a
	Sst		80	a/ a
2340	Clyst		20	a/ a
	Sst		80	a/ a
2345	Clyst		20	a/ a
	Sst		80	a/ a
2350	Clyst		20	a/ a
	Sst		80	a/ a
2355	Clyst		20	a/ a
	Sst		80	a/ a
2360	Clyst		20	a/ a
	Sst		80	a/ a
2365	Clyst		20	a/ a
	Sst		80	a/ a
2370	Clyst		20	a/ a
	Sst		80	a/ a
2375	Clyst		10	a/ a
	Sst		90	Sandstone, light grey, colourless clear to translucent, loose minor friable, predominantly very fine to fine minor medium and rare coarse grained quartz, subangular, moderately sorted, slightly spherical, 5% siliceous cement, trace pyritic cement, trace carbonaceous detritus, 15% inferred porosity, no fluorescence.
2380	Clyst		20	Claystone, medium to dark grey, soft to moderately hard, subblocky to subangular fracture, 10% siliceous silt, 15 to 20% silty to very fine grained quartz, 15% carbonaceous material, trace pyrite, trace micromica.
	Sst		80	a/ a
2385	Clyst		10	a/ a
	Sst		90	a/ a, becoming very fine to medium minor coarse and rare very coarse grained, trace, very coarse quartz shards.
2390	Clyst		10	a/ a
	Sst		90	a/ a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2395	Clyst		20	a/ a
	Sst		80	a/ a
2400	Clyst		10	a/ a
	Sst		90	Sandstone, light grey, colourless clear to translucent, loose minor friable, predominantly very fine to fine minor medium and coarse rare very coarse quartz grains and shards, subangular, poorly sorted, slightly spherical, 5% siliceous cement, trace pyritic cement, trace carbonaceous detritus, 20% inferred porosity, no fluorescence.
2405	Clyst		10	a/ a
	Sst		90	a/ a
2410	Sst		100	a/ a
2415	Sst		100	a/ a
2420	Sst		100	a/ a
2425	Clyst		80	Claystone, medium dark grey-dark grey- grey black, soft to moderately hard, dispersive to sub-blocky, trace siliceous silt, trace siliceous sand, 60% very fine grained, 40% fine grained, 10-20% carbonaceous grades to Carbonaceous Claystone.
	Sst		20	Sandstone: a/a becoming slightly argillaceous
2430	Clyst		90	Claystone: a/a
	Sst		10	Sandstone a/a
2435	Clyst		30	Claystone: a/a
	Sst		70	Sandstone a/a
2440	Clyst		10	Claystone: a/a
	Sst		90	Sandstone, colourless, loose, subrounded to angular, poorly sorted, slightly spherical to slightly elongated, very fine grained to granules generally fine to medium grained, trace carbonaceous specks, 20 % inferred porosity.
2445	Clyst		10	Claystone: a/a
	Sst		90	Sandstone a/a
2450	Clyst		30	Claystone: a/a, becoming less carbonaceous
	Sst		70	Sandstone a/a
2455	Clyst		30	Claystone: a/a
	Sst		70	Sandstone a/a
2460	Clyst		40	Claystone: a/a
	Sst		60	Sandstone a/a
2465	Clyst		30	Claystone: a/a
	Sst		70	Sandstone a/a
2470	Clyst		30	Claystone: a/a
	Sst		70	Sandstone a/a
2475	Clyst		40	Claystone: a/a
	Sst		60	Sandstone a/a
2480	Clyst		40	Claystone: a/a
	Sst		60	Sandstone a/a
2480	Clyst		40	Claystone: a/a
	Sst		60	Sandstone a/a
2485	Clyst		30	Claystone: a/a
	Sst		70	Sandstone a/a
2490	Clyst		20	Claystone: a/a
	Sst		80	Sandstone a/a
2495	Clyst		10	Claystone: a/a
	Sst		90	Sandstone a/a
2500	Clyst		50	Claystone: a/a
	Sst		50	Sandstone a/a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2505	Clyst		10	Claystone: a/a
	Sst		90	Sandstone: clear, loose, dominantly fine to medium grained, occasionally very fine, rarely coarse to very coarse grained, subrounded to subangular, moderately well sorted, slightly spherical, trace glauconite, trace pyrite, trace yellow brown to dark brown lithic fragments, 20 % inferred porosity, no fluorescence.
2510	Clyst		10	Claystone: a/a
	Sst		90	Sandstone a/a
2515	Clyst		1	Claystone: a/a
	Sst		99	Sandstone a/a
2520	Clyst		10	Claystone: a/a
	Sst		90	Sandstone a/a
2525	Clyst		10	Claystone: a/a, becoming medium brown grey
	Sst		90	Sandstone a/a
2530	Clyst	carb	10	Carbonaceous Claystone, medium dark grey-medium brown grey-dark grey- grey black, soft, to firm, dispersive to sub-blocky, trace silt, trace very fine to fine grained quartz, 25% carbonaceous matter, trace pyrite.
	Sst		90	Sandstone a/a
2535	Clyst		90	Claystone a/a occasionally grading to Carbonaceous Claystone
	Sst		10	Sandstone a/a
2540	Clyst		90	Claystone a/a occasionally grading to Carbonaceous Claystone
	Sst		5	Sandstone a/a
2545	Clyst		40	Claystone: a/a
	Sst		60	Sandstone a/a
2550	Clyst		50	Claystone: a/a
	Sst		50	Sandstone a/a
2555	Clyst		10	Claystone: a/a
	Sst		90	Sandstone a/a
2560	Clyst		10	Claystone: a/a
	Sst		90	Sandstone a/a
2565	Clyst		30	Claystone: a/a
	Sst		70	Sandstone a/a
2570	Clyst		40	Claystone: medium dark grey to dark grey to med brn gy, occ gy blk, soft, to moderately hard, dispersive, to sub-blocky, 94% siliceous clay, 5% siliceous silt, 1% siliceous sand, 60% very fine grained, 40% fine grained, 10% coal, 0.1% pyrite, .
	Sst		60	Sandstone, colourless to white, off white, loose to friable, predominantly very fine to fine common medium, minor coarse and rare very coarse quartz grains, subangular, to subrounded, moderately sorted, slightly spherical, 10% calcareous cement, trace dolomitic cement, 5% light grey argillaceous matrix, trace quartz silt, trace glauconite, glauconite, trace carbonaceous detritus, trace lithic fragments, 7% inferred porosity, no fluorescence.
2575	Clyst		20	Claystone, dark grey soft to moderately hard, sticky to subblocky, Minor silty to very fine grained quartz, 15 to 20% carbonaceous material, trace disseminated pyrite, trace micromica, grading to Carbonaceous Claystone.
	Sst		80	Sandstone, colourless-off white, light grey, loose to friable, predominantly very fine to fine common medium and rare coarse grained quartz, subangular, to subrounded, moderately sorted, slightly spherical, 10% calcareous cement, trace dolomitic cement, 10% light grey argillaceous matrix, trace chlorite, trace carbonaceous detritus and microlaminae, 7% inferred porosity, no fluorescence.
2580	Clyst		10	a/ a
	Sst		90	a/ a
2585	Clyst		10	a/ a
	Sst		90	a/ a
2590	Clyst		10	a/ a, very fine to minor medium grained.
	Sst		90	a/ a
2595	Clyst		10	a/ a
	Sst		90	a/ a
2600	Clyst		20	a/ a
	Sst		80	a/ a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2605	Clyst		20	a/ a
	Sst		80	a/ a
2610	Clyst		20	a/ a
	Sst		80	a/ a
2615	Clyst		10	a/ a
	Sst		70	a/ a
	Siltst	arg	20	Argillaceous Siltstone, dark grey, soft to moderately hard, subblocky, 20% siliceous clay, 10% very fine grained quartz, 5% carbonaceous material, trace micromica, trace disseminated pyrite.
2620	Sst		70	a/ a
	Siltst	arg	30	a/ a
2625	Sst		70	a/ a
	Siltst	arg	30	a/ a
2630	Sst		90	a/ a
	Siltst	arg	10	a/ a
2635	Sst		40	a/ a
	Siltst	arg	59	a/ a
	C		1	Coal, black very dark brown, dull, moderately hard, subblocky to angular, 10% argillaceous material.
2640	Sst		30	Sandstone, off white, light grey, loose to friable, very fine to fine minor medium grained quartz, subangular, to subrounded, moderately sorted, slightly spherical, 5% siliceous cement, trace calcareous cement, 10% light grey argillaceous matrix, trace silty to very fine carbonaceous detritus and microlaminae, 5% inferred porosity, no fluorescence.
	Siltst	arg	70	a/ a
2645	Sst		20	a/ a
	Siltst	arg	80	a/ a
2650	Sst		20	a/ a
	Siltst	arg	80	a/ a
2655	Sst		10	a/ a
	Siltst	arg	90	a/ a
2660	Sst		10	a/ a
	Siltst	arg	90	a/ a
2665	Sst		20	a/ a
	Siltst	arg	80	a/ a
2670	Sst		20	a/ a
	Siltst	arg	80	a/ a
2675	Sst		30	Sandstone, off white, light grey, loose to friable, very fine to fine rare medium and coarse quartz grains, subangular to subrounded, moderately sorted, slightly spherical, 5% siliceous and calcareous cement, 15% light grey argillaceous matrix, trace pink orange lithics, trace buff lithics (partially altered feldspars?), trace carbonaceous detritus, 5% inferred porosity, no fluorescence.
	Siltst	arg	70	a/ a
2680	Sst		40	a/ a
	Siltst	arg	60	a/ a
2685	Sst		40	a/ a , trace pyrite cement, trace dark brown lithics, trace chlorite?
	Siltst	arg	60	a/ a
2690	Sst		40	a/ a
	Siltst	arg	60	a/ a
2695	Sst		30	a/ a
	Siltst	arg	70	a/ a
2700	Sst		40	Sandstone, off white, light grey, trace pink, loose to friable, very fine to fine minor medium and trace coarse quartz grains, subangular to subrounded, moderately sorted, slightly spherical, 5% siliceous and calcareous cement trace pyritic cement, 10 to 20% light grey argillaceous matrix, trace carbonaceous detritus, trace dark brown, dark grey and pink orange lithic fragments, trace chlorite, 5% inferred porosity, no fluorescence.
	Siltst	arg	60	a/ a
2705	Sst		20	a/ a

Depth (mRT)	Main Lithology	Modifier (>20%)	% of rock	Lithological Description
2700	Siltst	arg	80	a/ a
2710	Sst		20	a/a
	Siltst	arg	80	a/ a TD @ 2710 m - 19:30 Hrs, 18/05/01