



## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN	FLUOR	CUT	CUT FLUOR	RES COLOUR	SHOW QUAL
				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
		<b>311mm / 12.25" hole section drilled from 751m MDRT commencing 04:00 hrs, 17 May 2008.</b>							
		<b>All sample returns to seabed above 751m.</b>							
		<b>20m sample interval</b>							
751-770	80	<b>CALCARENITE:</b> Light olive grey to olive grey in part, minor white to pale yellow, moderately hard to hard, very fine to coarse, angular to sub-angular, translucent to opaque sparry calcite, minor silt, minor rounded fine sand in part, minor black lithics, minor glauconite, highly calcareous, well cemented, poor visible porosity.	PVP	-	-	-	-	-	-
	10	<b>LOOSE SAND:</b> Fine to medium, moderately sorted, sub-rounded to rounded, translucent to transparent quartz, minor orange to yellow quartz, trace cryptocrystalline pyrite. Minor coarse to very coarse rounded clear to frosted quartz.	PIP	-	-	-	-	-	-
	5	<b>SKELETAL FRAGMENTS:</b> Pale yellow to orange to grey, dominantly bivalve fragments, minor bryozoans.		-	-	-	-	-	-
	5	<b>CALCISILTITE:</b> Medium grey to olive grey to occasionally black, soft to hard, highly calcareous, minor to common clastic silt fraction grading in part to fine sand.	PVP	-	-	-	-	-	-
	Tr	<b>SANDSTONE:</b> Moderate olive brown, hard, very fine, well sorted sub-rounded quartz and minor lithics, calcite cemented, silty matrix.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 64.2%; Dolomite: 12.2%							
790	70	<b>CALCARENITE:</b> as above, increase in clastic silt fraction.	PVP	-	-	-	-	-	-
	25	<b>CALCISILTITE:</b> Medium grey to olive grey to occasionally black, dominantly soft, minor hard, highly calcareous, minor to common clastic silt fraction grading in part to fine sand.	PVP	-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> as above.	PIP	-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> dominantly bivalve fragments, minor bryozoans, trace echinoid spines.		-	-	-	-	-	-
	Tr	<b>SANDSTONE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 66.2%; Dolomite: 12.8%							
810	75	<b>CALCARENITE:</b> as above, common clastic silt fraction.	PVP	-	-	-	-	-	-
	20	<b>CALCISILTITE:</b> Medium grey to olive grey to occ black, dominantly soft to minor hard, highly calcareous, minor to common clastic silt fraction grading in parts to fine sand.	PVP	-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> as above, dominantly fine to medium grained, trace coarse grains.		-	-	-	-	-	-



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	Tr	<b>SKELETAL FRAGMENTS:</b> Pale yellow to orange to grey, dominantly bivalve fragments, minor bryozoans, trace echinoid spines.		-	-	-	-	-	-
	Tr	<b>SANDSTONE:</b> Moderate olive brown, hard, very fine grained, well sorted, sub-rounded quartz and minor lithics, calcite cemented, silty matrix.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 67.4%; Dolomite: 12.8%							
830	60	<b>CALCARENITE:</b> as above, common clastic silt fraction.	PVP	-	-	-	-	-	-
	40	<b>CALCISILTITE:</b> Medium grey to olive grey to occasionally black, dominantly soft, minor hard, highly calcareous, minor to common clastic silt fraction, grading in part to fine sand.	PVP	-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above, dominantly fine to medium grained, trace coarse grains.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> Pale yellow to orange to grey, dominantly bivalve fragments, minor bryozoans, trace echinoid spines.		-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 61.0%; Dolomite: 10.3%							
850	50	<b>CALCARENITE:</b> as above, common clastic silt fraction.	PVP	-	-	-	-	-	-
	50	<b>CALCISILTITE:</b> Medium grey to olive grey to occasionally black, dominantly soft to firm, minor hard, highly calcareous, minor to common clastic silt fraction, grading in part to fine sand.	PVP	-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> as above.		-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 70.6%; Dolomite: 9.6%							
870	60	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
	40	<b>CALCARENITE:</b> as above, dominantly hard but crushed in parts.	PVP	-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above, dominantly fine grains.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> as above, bivalve fragments, bryozoans, trace echinoid spines.		-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 57.8%; Dolomite: 8.3%							
890	50	<b>CALCARENITE:</b> as above, increase in clastic silt fraction.	PVP	-	-	-	-	-	-
	50	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above, dominantly fine to medium grained, trace coarse to very coarse frosted & rounded quartz grains.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> Pale yellow to orange to grey, dominantly bivalve fragments, minor bryozoans, trace echinoid spines.		-	-	-	-	-	-



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DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN DIST COLOUR	FLUOR DIST INTEN COLOUR	CUT INTEN COLOUR	CUT FLUOR INTEN COLOUR	RES COLOUR	SHOW QUAL
	Tr	<b>CALCILUTITE:</b> White, hard, amorphous. <b>Calcimetry:</b> Calcite: 57.8%; Dolomite: 7.7%		-	-	-	-	-	-
910	50	<b>CALCARENITE:</b> as above, common clastic silt fraction.	PVP	-	-	-	-	-	-
	45	<b>CALCISILTITE:</b> Medium grey to olive grey to occasionally black, dominantly soft to firm, minor hard, highly calcareous, minor to common clastic silt fraction, grading in part to fine sand.	PVP	-	-	-	-	-	-
	5	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above, dominantly fine to medium grained, trace coarse to very coarse, frosted & rounded quartz grains.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> Dominantly bivalve fragments, minor bryozoans, trace echinoid spines. <b>Calcimetry:</b> Calcite: 38.5%; Dolomite: 6.4%		-	-	-	-	-	-
930	45	<b>CALCARENITE:</b> as above, common clastic silt fraction.	PVP	-	-	-	-	-	-
	45	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> White to pale grey, hard, amorphous, slightly silty.		-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> as above. <b>Calcimetry:</b> Calcite 59.7%; Dolomite: 12.8%		-	-	-	-	-	-
950	60	<b>CALCISILTITE:</b> Predominantly olive grey, medium grey, dominantly soft to firm, minor hard, highly calcareous, minor to common clastic silt fraction, grading in part to fine sand.	PVP	-	-	-	-	-	-
	35	<b>CALCARENITE:</b> as above, common clastic silt fraction.	PVP	-	-	-	-	-	-
	5	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> as above. <b>Calcimetry:</b> Calcite: 70.6%; Dolomite: 10.9%		-	-	-	-	-	-
970	65	<b>CALCISILTITE:</b> Dominantly olive grey, medium grey, soft to firm, minor hard, moderately to highly calcareous, minor to common clastic silt fraction, grading in part to fine sand.	PVP	-	-	-	-	-	-
	30	<b>CALCARENITE:</b> as above, common clastic silt fraction.	PVP	-	-	-	-	-	-
	5	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> as above.		-	-	-	-	-	-
	Tr	<b>SKELETAL FRAGMENTS:</b> Pale yellow to orange to grey, dominantly bivalve fragments, minor bryozoans, trace echinoid spines.		-	-	-	-	-	-



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DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN DIST COLOUR	FLUOR DIST INTEN COLOUR	CUT INTEN COLOUR	CUT FLUOR INTEN COLOUR	RES COLOUR	SHOW QUAL
		<b>Calcmetry:</b> Calcite: 73.9%; Dolomite: 14.8%							
990	80	<b>CALCISILTITE:</b> Pale grey to medium grey, olive grey, dominantly firm to hard, blocky, moderately to highly calcareous, minor to common clastic silt fraction, grading in part to fine sand. Possible dolomitic cement indicated by slower HCl reaction. Trace very fine dark mafic grains. Rare pyrite.	PVP	-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	10	<b>CALCARENITE:</b> Light olive grey to olive grey in part, minor white to pale yellow, moderately hard to hard, very fine to fine grained, angular to sub-angular, translucent to opaque sparry calcite, minor silt, minor black lithics, highly calcareous, well cemented, poor visible porosity.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 65.5%; Dolomite: 12.8%							
1010	80	<b>CALCISILTITE:</b> Pale to medium grey to olive grey, as above.	PVP	-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> White to pale grey, hard, amorphous, slightly silty.		-	-	-	-	-	-
	10	<b>CALCARENITE:</b> as above. Trace shell fragments.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 61.0%; Dolomite: 13.5%							
1030	85	<b>CALCISILTITE:</b> Pale to medium grey to olive grey, as above.	PVP	-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>CALCARENITE:</b> as above. Trace shell fragments.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 62.9%; Dolomite: 11.6%							
1050	85	<b>CALCISILTITE:</b> Pale to medium grey to olive grey, as above.	PVP	-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>CALCARENITE:</b> as above. Trace bryozoan fragments.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 57.8%; Dolomite: 10.3%							
1070	95	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	Tr	<b>CALCARENITE:</b> as above. Trace shell fragments.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 59.7%; Dolomite: 11.6%							
1090	95	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	Tr	<b>CALCARENITE:</b> as above. Trace foraminifera, trace bryozoan.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 73.9%; Dolomite: 11.6%							
1110	90	<b>CALCISILTITE:</b> Pale grey to medium grey, olive grey, as above.	PVP	-	-	-	-	-	-



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				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
	10	<b>CALCILUTITE:</b> White to pale grey, hard, amorphous, slightly silty.		-	-	-	-	-	-
	Tr	<b>CALCARENITE:</b> as above. Trace foraminifera, trace bryozoans, trace echinoid fragments. <b>Calcimetry:</b> Calcite: 74.5%; Dolomite: 10.3%	PVP	-	-	-	-	-	-
1130	90	<b>CALCISILTITE:</b> Pale grey to medium grey, olive grey, as above.	PVP	-	-	-	-	-	-
	5	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>CALCARENITE:</b> as above. Trace foraminifera, trace bryozoans, trace echinoid fragments. <b>Calcimetry:</b> Calcite: 68.1%; Dolomite: 12.2%	PVP	-	-	-	-	-	-
1150	85	<b>CALCISILTITE:</b> as above. Rare disseminated pyrite.	PVP	-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> White to predominantly light to medium olive grey, soft to firm, occasionally hard, amorphous, slightly silty.		-	-	-	-	-	-
	5	<b>CALCARENITE:</b> as above, trace bryozoans, trace echinoid fragments. <b>Calcimetry:</b> Calcite: 61.7%; Dolomite: 9.0%	PVP	-	-	-	-	-	-
1170	85	<b>CALCISILTITE:</b> Pale to medium grey, olive grey, as above. Rare disseminated pyrite.	PVP	-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>CALCARENITE:</b> as above, trace bryozoans, trace bryozoan fragments, trace foraminifera, trace microcrystalline pyrite clusters. <b>Calcimetry:</b> Calcite: 57.8%; Dolomite: 6.4%	PVP	-	-	-	-	-	-
1190	75	<b>CALCISILTITE:</b> Olive grey, minor greyish olive, firm to moderately hard, blocky, with common dark specks of ?carbonaceous material, rare disseminated pyrite, rare blocky calcite sparry crystals; Trace medium grey, hard, sub-fissile, with abundant microcrystalline pyrite microlaminae; also trace pyrite masses with pyrite in acicular form replacing probable echinoid spines.	PVP	-	-	-	-	-	-
	20	<b>CALCILUTITE:</b> Off-white to light olive grey, firm to moderately hard, sub-blocky, rarely sub-fissile, slightly silty, with common unidentified white silt specks.		-	-	-	-	-	-
	5	<b>CALCARENITE:</b> Grading to Calcisiltite, with trace blocky sparry calcite aggregates up to very coarse sand-size. <b>Calcimetry:</b> Calcite: 61.7%; Dolomite: 9.6%	PVP	-	-	-	-	-	-



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				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
1210	60	<b>CALCILUTITE:</b> Very light to medium olive grey, firm, softening in water (slightly dispersive), sub-blocky to sub-fissile, with rare darker streaks, trace pyrite and glauconite, trace loose forams (common ovoid type) and echinoid spines.		-	-	-	-	-	-
	40	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
	Tr	<b>CALCARENITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 64.2%; Dolomite: 12.8%							
1230	60	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	40	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 57.8%; Dolomite: 6.4%							
1250	50	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
	50	<b>CALCILUTITE:</b> as above; with rare very fine glauconite; also trace loose glauconite nodules, rarely mammillated, medium lower to very coarse lower sand sized; trace loose bryozoa & benthic forams.		-	-	-	-	-	-
	Tr	<b>CALCARENITE:</b> Dark grey, slightly translucent, speckled with ?pyrite aggregates.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 54.6%; Dolomite: 7.9%							
1270	70	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	30	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 59.1%; Dolomite: 5.8%							
1290	70	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	30	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 57.8%; Dolomite: 7.7%							
1310	75	<b>CALCILUTITE:</b> as above, more greenish grey than olive grey, firm to moderately hard, blocky, slightly more argillaceous (less calcareous); rare loose foraminifera (both benthic and planktic), trace loose bryozoan fragments.	PVP	-	-	-	-	-	-
	25	<b>CALCISILTITE:</b> Olive grey, firm to moderately hard, blocky, argillaceous, with common sand-sized recrystallised shell material, rare pyrite, grading to Calcilutite.	PVP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 41.7%; Dolomite: 7.7%							
		<b>Start 10m sample interval from 1310m onwards</b>							
1320	80	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	20	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1330	80	<b>CALCILUTITE:</b> as above; trace loose glauconite nodules as above. Finer cuttings are rich in loose forams (mainly benthic forms, diverse range of taxa; rare planktics).		-	-	-	-	-	-



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	20	<b>CALCISILTITE:</b> as above. <b>Calcimetry:</b> Not performed	PVP	-	-	-	-	-	-
1340	90	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	10	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1350	90	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	10	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Note:</b> 1350m sample was taken while pumps were off – only very fine cuttings in tray. <b>Calcimetry:</b> Not performed		-	-	-	-	-	-
1360	90	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	10	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1370	90	<b>CALCILUTITE:</b> Greenish grey, firm to moderately hard, sub-blocky to sub-fissile, argillaceous, rarely grading to calcareous Claystone, with common loose forams as above.		-	-	-	-	-	-
	10	<b>CALCISILTITE:</b> Olive grey, firm to hard, blocky, with abundant microcrystalline calcite (best seen in dry samples). <b>Calcimetry:</b> Not performed	PVP	-	-	-	-	-	-
1380	95	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1390	95	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Calcimetry:</b> Calcite: 41.1%; Dolomite: 6.4%							
1400	95	<b>CALCILUTITE:</b> as above, with trace pyritic streaks; rare medium dark grey, more fissile, hard Calcilutite.		-	-	-	-	-	-
	5	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1410	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>Calcimetry:</b> Calcite: 25.7%; Dolomite: 5.1%							
1420	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1430	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above.		-	-	-	-	-	-
		<b>Calcimetry:</b> Calcite: 50.7%; Dolomite: 6.4%							
1440		<b>No sample collected.</b>							
1450	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone, trace very fine glauconite, trace foraminifera.		-	-	-	-	-	-



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				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
	Tr	<b>CALCISILTITE:</b> as above. <b>Calcmetry:</b> Calcite: 48.8%; Dolomite: 5.8%		-	-	-	-	-	-
1460	100	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above.		-	-	-	-	-	-
1470	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone, trace very fine glauconite (slight increase over previous samples), trace foraminifera.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above. <b>Calcmetry:</b> Calcite: 41.7%; Dolomite: 3.2%	PVP	-	-	-	-	-	-
1480	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone, minor very fine to fine glauconite (slight increase over previous samples), trace foraminifera.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1490	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone, minor very fine to medium glauconite pellets and nodules, trace foraminifera, slightly silty in parts.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above. <b>Calcmetry:</b> Calcite: 35.3%; Dolomite: 2.6%	PVP	-	-	-	-	-	-
1500	100	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone, trace very fine to medium glauconite pellets and nodules, trace foraminifera, slightly silty in part.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
1510		<b>No sample collected.</b> <b>Calcmetry:</b> No sample							
1520	100	<b>CALCILUTITE:</b> Greenish grey to olive grey, firm to moderately hard, sub-blocky to sub-fissile, argillaceous, grading to moderately calcareous Claystone, rare (1%) very fine to medium glauconite pellets and nodules, trace foraminifera, slightly silty in part.		-	-	-	-	-	-
	Tr	<b>CALCISILTITE:</b> as above.	PVP	-	-	-	-	-	-
		<b>5m sample interval commenced at 1520m MDRT.</b>							
1525	95	<b>CALCAREOUS CLAYSTONE:</b> Light greenish grey to olive grey, firm to moderately hard, sub-blocky to sub-fissile, argillaceous, moderately to highly calcareous, minor very fine to medium glauconite pellets and nodules, trace foraminifera, slightly silty in part.		-	-	-	-	-	-
	5	<b>CALCILUTITE:</b> Light greenish grey to grey, soft to firm, amorphous to blocky, argillaceous, highly calcareous, common to abundant disseminated fine glauconite pellets.		-	-	-	-	-	-





## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN	FLUOR	CUT	CUT FLUOR	RES COLOUR	SHOW QUAL
				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
1530	90	<b>CALCAREOUS CLAYSTONE:</b> Light greenish grey to olive grey, firm to moderately hard, sub-blocky to sub-fissile, argillaceous, moderately to highly calcareous, rare (1%) very fine to medium glauconite pellets and nodules, trace foraminifera, slightly silty.		-	-	-	-	-	-
	10	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
		<b>Calcimetry:</b> Not performed							
1535	85	<b>CALCAREOUS CLAYSTONE:</b> as above, with 5% loose and disseminated fine to coarse glauconite pellets and clusters.		-	-	-	-	-	-
	15	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
1540	85	<b>CALCAREOUS CLAYSTONE:</b> as above, with common to abundant (20%) loose and disseminated fine to coarse glauconite pellets and clusters. Trace echinoid spines.		-	-	-	-	-	-
	15	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
1545	85	<b>CALCAREOUS CLAYSTONE:</b> as above, with abundant (25%) loose and disseminated fine to coarse sand-sized glauconite pellets and clusters. Trace shell fragments, trace pyrite clusters.		-	-	-	-	-	-
	15	<b>CALCILUTITE:</b> as above, hard in part.		-	-	-	-	-	-
1550	80	<b>CALCAREOUS CLAYSTONE:</b> as above, with abundant (30%) loose and disseminated fine to coarse glauconite pellets and clusters. Trace shell fragments, trace pyrite clusters.		-	-	-	-	-	-
	20	<b>CALCILUTITE:</b> as above, hard in part.		-	-	-	-	-	-
		<b>Calcimetry:</b> Calcite: 31.8%; Dolomite: 1.9%							
1555	80	<b>CALCAREOUS CLAYSTONE:</b> as above, becoming brownish grey in part, grading to Siltstone. With abundant (30%) loose and disseminated fine to coarse glauconite pellets and clusters. Trace shell fragments, trace pyrite clusters. Trace broken crystalline calcite vein material.		-	-	-	-	-	-
	20	<b>CALCILUTITE:</b> as above, hard in part.		-	-	-	-	-	-
1560	50	<b>CALCAREOUS CLAYSTONE:</b> as above, grading to Siltstone. Common to abundant (20%) glauconite pellets and clusters (as above). Trace shell fragments, foraminifera and bryozoan fragments, trace pyrite clusters. Trace broken crystalline calcite vein material.		-	-	-	-	-	-
	50	<b>CALCILUTITE:</b> as above, hard in part, grading to calcareous Claystone		-	-	-	-	-	-
1565		<b>Sample not collected.</b>							
1570	75	<b>SILTSTONE:</b> Medium brown grey to olive grey to brown, firm to hard, blocky, slightly carbonaceous, non to slightly calcareous.	PVP	-	-	-	-	-	-
	20	<b>CALCILUTITE:</b> Light grey to greenish grey, firm to hard, grading to calcareous Claystone, silty.		-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> Very fine to coarse, poorly sorted, sub-rounded to rounded, clear translucent quartz grains.	FIP	-	-	-	-	-	-



## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN	FLUOR	CUT	CUT FLUOR	RES COLOUR	SHOW QUAL
				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
		<b>Calcmetry:</b> Calcite: 14.8%; Dolomite: 0.6%							
1575	55	<b>SILTSTONE:</b> Medium brown grey to olive grey to brown, firm to hard, blocky, slightly carbonaceous, non to slightly calcareous.	PVP	Nil	Trace pinpoint pale greenish yellow	Moderately fast blooming mod bri blue-white	Thin moderately bright blue green fluorescing residual ring	Nil	Poor
	20	<b>CALCILUTITE:</b> Light grey to greenish grey, firm to hard, grading to calcareous Claystone, silty.		-	-	-	-	-	-
	20	<b>COAL:</b> Dark brown to black, glossy in parts along fractures, hard, brittle, silty in part.		-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> as above. Minor glauconite.	FIP	-	-	-	-	-	-
1580	60	<b>COAL:</b> as above.		-	-	-	-	-	-
	30	<b>SILTSTONE:</b> Medium brown grey to olive grey to brown, firm to hard, blocky, slightly carbonaceous, non to slightly calcareous.	PVP	Nil	Trace pinpoint pale greenish yellow	Moderately fast blooming mod bri blue-white	Thin moderately bright blue green fluorescing residual ring	Very faint pale tea	Poor
	10	<b>CALCILUTITE:</b> Light grey to greenish grey, firm to hard, grading to calcareous Claystone, silty.		-	-	-	-	-	-
	Tr	<b>LOOSE SAND:</b> Very fine to coarse grained, poorly sorted, sub-rounded to rounded, clear translucent quartz grains. Minor glauconite.		-	-	-	-	-	-
1585	60	<b>COAL:</b> Dark brown to black, glossy in parts along fractures, hard, brittle, silty in part.		-	-	-	-	-	-
	25	<b>SILTSTONE:</b> as above.	PVP	Nil	1% pinpoint pale greenish yellow	Fast streaming to blooming, bright green blue	Mod wide bright green blue fluorescing residual ring	Pale yellow brown	Fair
	10	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> Fine to very coarse grained, poorly sorted, sub-rounded to rounded, clear translucent quartz grains. Minor glauconite, minor lithic fragments, trace pyrite clusters, trace pyritised quartz.	FIP	-	-	-	-	-	-
1590	60	<b>COAL:</b> as above.		-	-	-	-	-	-
	25	<b>SILTSTONE:</b> as above, slightly carbonaceous to coaly in part, non to slightly calcareous.	PVP	Nil	1% dull pinkish orange	Slow blooming dull blue white	Very thin very pale green blue fluorescing residual ring	C'less	Poor
	10	<b>CALCILUTITE:</b> as above, grading to calcareous Claystone.		-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> Fine to very coarse grained, poorly sorted, sub-rounded to rounded clear translucent quartz. Minor glauconite, trace pyrite clusters. Trace pyritised quartz. Minor lithic fragments.	FIP	-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 19.3%; Dolomite: 0.8%							
1595	50	<b>COAL:</b> Dark brown to black, glossy in parts along fractures, hard, brittle, silty in parts.		-	-	-	-	-	-
	35	<b>SILTSTONE:</b> Medium brown grey to olive grey to dark brown, firm to hard, blocky, slightly carbonaceous to coaly in parts, non to slightly calcareous.	PVP	Nil	Trace dull pinkish orange	Slow blooming dull blue white	Thin very pale green blue fluorescing residual ring	C'less	Poor



## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN	FLUOR	CUT	CUT FLUOR	RES COLOUR	SHOW QUAL
				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
	10	<b>CALCILUTITE:</b> Light grey to greenish grey, firm to hard, grading to calcareous Claystone, silty.		-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> as above.	FIP	-	-	-	-	-	-
1600	60	<b>COAL:</b> as above.		-	-	-	-	-	-
	25	<b>SILTSTONE:</b> as above.	PVP	Nil	1% dull pinkish orange	Slow blooming moderately bright blue white	Thin very pale green blue fluorescing residual ring	C'less	Poor
	10	<b>CALCILUTITE:</b> as above.		-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> as above.	FIP	-	-	-	-	-	-
1605	40	<b>SILTSTONE:</b> Medium brown grey to olive grey to dark brown, firm to hard, blocky, slightly carbonaceous to coaly in part, non to slightly calcareous.	PVP	Nil	1% dull pinkish orange	Slow blooming moderately bright blue white	Thin very pale green blue fluorescing residual ring	C'less	Poor
	30	<b>LOOSE SAND:</b> Pale grey to brownish grey, very fine upper to coarse upper, dominantly fine grained, poorly sorted, sub-rounded to rounded, clear quartz, minor lithics, minor glauconite.	FIP	-	-	-	-	-	-
	20	<b>CALCAREOUS CLAYSTONE:</b> Light grey to greenish grey, firm to hard, moderately to highly calcareous, silty.		-	-	-	-	-	-
	10	<b>COAL:</b> Dark brown to black, glossy in parts along fractures, hard, brittle, silty in part.		-	-	-	-	-	-
1610	50	<b>SILTSTONE:</b> Medium brown grey to olive grey to dark brown, firm to hard, blocky, slightly carbonaceous to coaly in parts, non to slightly calcareous.	PVP	Nil	10% moderately bright to dull, yellow to orange	Very slow blooming bluish white (also from SLTST with no direct fluor).	Thin pale blue fluorescing residual ring	C'less	Poor
	30	<b>LOOSE SAND:</b> Pale grey to brownish grey, very fine upper to very coarse upper, minor clear quartz granules, dominantly medium grained, poorly sorted, sub-rounded to rounded, clear quartz, minor lithics, minor glauconite.	FIP	-	-	-	-	-	-
	15	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
	5	<b>COAL:</b> as above.		-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 9.3%; Dolomite: 0.6%							
1615	70	<b>SILTSTONE:</b> Medium brown grey, olive grey to olive black, firm to hard, blocky, slightly carbonaceous to coaly in parts, non to slightly calcareous.	PVP	Nil	2% dull orange-yellow	Slow, diffuse bluish white	nil	nil	Poor
	20	<b>LOOSE SAND:</b> Pale grey to brownish grey, very fine upper to very coarse upper, dominantly medium grained, poorly sorted, sub-rounded to rounded, clear quartz, minor lithics, minor calcite grains, minor glauconite, common sub-angular clear quartz granules, fair inferred porosity.	FIP	Nil	Trace bright light greenish yellow from sand grain fragment with siltstone cemented to it	nil	nil	nil	Poor
	10	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1620	70	<b>SILTSTONE:</b> as above.	PVP	Nil	Trace dull orange-yellow	nil	nil	nil	Poor
	15	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-



## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN DIST COLOUR	FLUOR DIST INTEN COLOUR	CUT INTEN COLOUR	CUT FLUOR INTEN COLOUR	RES COLOUR	SHOW QUAL
	10	LOOSE SAND: as above.	FIP	-	-	-	-	-	-
	5	COAL: as above		-	-	-	-	-	-
1625	80	SILTSTONE: as above.	PVP		1% very dull yellow	Slow diffuse bluish white	Very thin pale blue fluorescing residual ring	C'less	Poor
	15	LOOSE SAND: as above, trace muscovite flakes, trace pyrite, common subangular clear quartz granules.	FIP	Nil	Trace pinpoint bri pale yellow (from sand grain)	nil	nil	nil	Poor
	5	CALCAREOUS CLAYSTONE: as above.		-	-	-	-	-	-
1630	70	SILTSTONE: as above.	PVP	Nil	Trace dull yellow	nil	nil	nil	Poor
	25	LOOSE SAND: as above, dominantly medium grained, common sub-angular clear quartz granules, trace muscovite flakes, trace pyrite.	FIP	-	-	-	-	-	-
	5	CALCAREOUS CLAYSTONE: Light grey to greenish grey, firm to hard, moderately to highly calcareous, silty. Calcmetry: Calcite: 9.6%; Dolomite: 0.4%		-	-	-	-	-	-
1635	50	SILTSTONE: as above.	PVP	Nil	5% pinpoint moderately bright, pinkish orange (from vein calcite rockflour)	Slow, weak diffuse bluish white	Very thin pale blue fluorescing residual ring	C'less	Poor
	30	COAL: as above.		-	-	-	-	-	-
	15	LOOSE SAND: as above, dominantly medium grained, common sub-angular clear quartz granules, trace muscovite flakes, trace pyrite.	FIP	-	-	-	-	-	-
	5	CALCAREOUS CLAYSTONE: as above.		-	-	-	-	-	-
1640	75	COAL: as above.		-	-	-	-	-	-
	15	SILTSTONE: as above, commonly coaly, in part grading to carbonaceous very fine grained Sandstone.	PVP	Nil	Trace bright greenish yellow from calcite veinlets in dark brown Siltstone	nil	Very thin pale blue fluorescing residual ring	C'less	Poor
	5	LOOSE SAND: as above.	FIP	-	-	-	-	-	-
	5	CALCAREOUS CLAYSTONE: as above.		-	-	-	-	-	-
1645	40	SILTSTONE: Medium brown grey, olive grey to dark brown, firm to hard, blocky, slightly carbonaceous to coaly in part, non to slightly calcareous.	PVP	Nil	1% dull pinkish orange mineral fluorescence	Slow, diffuse bluish cut from SLTST with no direct fluor.	nil	nil	Poor
	30	LOOSE SAND: Pale grey to brownish grey, very fine upper to coarse upper, dominantly medium grained, poorly sorted, sub-rounded to rounded clear quartz, common sub-angular to sub-rounded clear quartz granules, minor lithics, minor glauconite.	FIP	-	-	-	-	-	-
	20	CALCAREOUS CLAYSTONE: as above.		-	-	-	-	-	-
	10	COAL: Dark brown to black, glossy in parts along fractures, hard, brittle, silty in parts.		-	-	-	-	-	-
1650	65	COAL: as above.		-	-	-	-	-	-
	25	SILTSTONE: as above, commonly coaly, in part, grading to carbonaceous very fine grained Sandstone, poor visible porosity.	PVP	Nil	Trace pinpoint pinkish orange and light yellow	nil	nil	nil	Nil



## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN	FLUOR	CUT	CUT FLUOR	RES COLOUR	SHOW QUAL
				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
	5	<b>LOOSE SAND:</b> as above, dominantly medium grained, trace muscovite flakes, trace pyrite, common sub-angular clear quartz granules.	FIP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> Light grey to greenish grey, firm to hard, moderately to highly calcareous, silty.		-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite: 8.3%; Dolomite: 0.5%							
1655	50	<b>LOOSE SAND:</b> White to pale grey, fine lower to very coarse upper, minor granules, bimodal, dominantly fine to medium and very coarse grained, very poorly sorted, sub-rounded to sub-angular, clear to frosted quartz, trace muscovite, trace lithics, trace glauconite, good inferred porosity.	GIP	-	-	-	-	-	-
	30	<b>SILTSTONE:</b> Medium brown grey, olive grey to dark brown, firm to hard, blocky, slightly carbonaceous to coaly in part, non to slightly calcareous, in part grading to carbonaceous very fine grained Sandstone.	PVP	Nil	Trace dull yellowish orange	nil	nil	nil	Nil
	10	<b>COAL:</b> Dark brown to black, glossy in parts along fractures, hard, brittle, silty in parts.		-	-	-	-	-	-
	10	<b>CALCAREOUS CLAYSTONE:</b> Light grey to greenish grey, firm to hard, moderately to highly calcareous, silty.		-	-	-	-	-	-
1660	85	<b>LOOSE SAND:</b> White to pale grey, fine lower to granular, bimodal, dominantly fine to medium and very coarse grained, very poorly sorted, sub-rounded to sub-angular, clear to frosted quartz, trace muscovite, trace lithics, trace glauconite.	GIP	-	-	-	-	-	-
	5	<b>SILTSTONE:</b> as above.	PVP	Nil	Trace dull yellowish orange	nil	nil	nil	Nil
	5	<b>COAL:</b> as above.		-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1665	45	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	30	<b>COAL:</b> as above.		-	-	-	-	-	-
	10	<b>CARBONACEOUS CLAYSTONE:</b> Dark yellowish brown to brownish grey, firm, elongate, sub-fissile, commonly with dark polished faces (previously as traces, not differentiated from coal).		-	-	-	-	-	-
	10	<b>LOOSE SAND:</b> as above.	GIP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1670	80	<b>COAL:</b> as above.		-	-	-	-	-	-
	5	<b>CARBONACEOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> as above.	FIP	-	-	-	-	-	-
	5	<b>SILTSTONE:</b> as above.	PVP	Nil	Trace dull yellowish orange	nil	nil	nil	Nil
		<b>Calcmetry:</b> Calcite: 6.4%; Dolomite: 0.9%							
1675	50	<b>COAL:</b> as above.		-	-	-	-	-	-
	20	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-



## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN DIST COLOUR	FLUOR DIST INTEN COLOUR	CUT INTEN COLOUR	CUT FLUOR INTEN COLOUR	RES COLOUR	SHOW QUAL
	10	<b>CARBONACEOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
	15	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>LOOSE SAND:</b> as above.	FIP	-	-	-	-	-	-
1680	50	<b>LOOSE SAND:</b> Pale grey, very fine upper to granule, dominantly medium lower to medium upper grained, very poorly sorted, sub-angular, sub-spherical, transparent to translucent quartz; trace aggregates, hard, tightly silica cemented with apparent dark brown oil stain (but not confirmed by fluorescence).	GIP	Dark brown patchy oil? stain	Trace dull yellowish orange	No cut	nil	nil	Nil
	40	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
	5	<b>SILTSTONE:</b> Pale yellowish brown, speckled dark brown to black with carbonaceous material; also dusky yellowish brown with abundant carbonaceous material and laminae, blocky to sub-fissile, non calcareous, locally with common muscovite.	PVP	-	-	-	-	-	-
	5	<b>CLAYSTONE:</b> Pale yellowish brown, firm, sub-blocky, non calcareous; trace of dark brown Claystone.		-	-	-	-	-	-
1685	95	<b>LOOSE SAND:</b> Very light grey, as above.	GIP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above; trace pale yellowish brown Claystone.		-	-	-	-	-	-
1690	80	<b>LOOSE SAND:</b> White to very pale yellow, very fine to granule, dominantly very coarse upper to coarse upper grained, poorly sorted, angular fragments to sub-rounded, sub-spherical, transparent to translucent quartz.	GIP	-	-	-	-	-	-
	20	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
		<b>Calcmetry:</b> Calcite:2.4%; Dolomite: 0.3%							
1695	90	<b>LOOSE SAND:</b> Very pale yellow, coarse upper to granule, dominantly very coarse lower to upper grained, moderately sorted, angular fragments to sub-rounded, sub-spherical, transparent to translucent quartz.	GIP	-	-	-	-	-	-
	10	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1700	95	<b>LOOSE SAND:</b> as above.	GIP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1705	60	<b>LOOSE SAND:</b> as above.	GIP	-	-	-	-	-	-
	30	<b>SILTSTONE:</b> Pale yellowish brown, speckled with black coal and carbonaceous material, firm to moderately hard, sub-blocky to fissile, commonly microlaminated, with irregular coal fragments, rarely very fine sandy; rarely with scattered fine glauconite nodules; also loose mammillated grayish green glauconite (ovoid nodules, medium to coarse sand-sized).	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
	5	<b>COAL:</b> as above.		-	-	-	-	-	-



## WELLSITE CUTTINGS SAMPLES DESCRIPTIONS

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN	FLUOR	CUT	CUT FLUOR	RES COLOUR	SHOW QUAL
				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
1710	35	<b>LOOSE SAND:</b> as above, fine upper to granule, dominantly very coarse to granule grained, very poorly sorted, angular fragments to sub-angular grains, rarely rounded, subs-spherical, transparent to translucent quartz, good inferred porosity.	GIP	-	-	-	-	-	-
	60	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above. <i>Calcimetry:</i> Calcite: 3.9%; Dolomite: 0.5%		-	-	-	-	-	-
1715	50	<b>LOOSE SAND:</b> as above.	GIP	-	-	-	-	-	-
	45	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1720	75	<b>LOOSE SAND:</b> as above.	GIP	-	-	-	-	-	-
	15	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
	5	<b>COAL:</b> as above.		-	-	-	-	-	-
1725	75	<b>LOOSE SAND:</b> Light yellowish grey, bimodal, very fine upper to medium upper, and very coarse to granule grained, angular fragments to sub-rounded, transparent to translucent quartz.	GIP	-	-	-	-	-	-
	20	<b>SILTSTONE:</b> as above; rarely with abundant very dark green, fine to medium sand-sized glauconite; trace coal and carbonaceous Claystone.	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1730	75	<b>LOOSE SAND:</b> as above.	GIP	-	-	-	-	-	-
	20	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above. <i>Calcimetry:</i> Calcite: 15.6%; Dolomite: 0.2%		-	-	-	-	-	-
1735	85	<b>LOOSE SAND:</b> as above, coarse upper to granule grained, moderately to poorly sorted, common angular fragments, dominantly sub-rounded, rarely well rounded, sub-spherical, transparent to translucent quartz, trace pinkish quartz. Trace coarse Sandstone aggregate, hard, poor visible porosity, trace light yellow clay, inferred silica cemented, but overgrowths not confirmed, non calcareous.	GIP - PVP	-	-	-	-	-	-
	10	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above.		-	-	-	-	-	-
1740	95	<b>LOOSE SAND:</b> as above, dominantly very coarse upper to granule, moderately well sorted.	GIP	-	-	-	-	-	-
	Tr	<b>SILTSTONE:</b> as above.	PVP	-	-	-	-	-	-
	5	<b>CALCAREOUS CLAYSTONE:</b> as above. <i>Calcimetry:</i> Calcite: 18.0%; Dolomite: 1.4%		-	-	-	-	-	-



**WELLSITE CUTTINGS SAMPLES DESCRIPTIONS**

DEPTH m	%	LITHOLOGY DESCRIPTION and COMMENTS (classification, colour, hardness, texture, mineralogy, modifiers, cement)	POR	STAIN	FLUOR	CUT	CUT FLUOR	RES COLOUR	SHOW QUAL
				DIST COLOUR	DIST INTEN COLOUR	INTEN COLOUR	INTEN COLOUR		
1745	100	<b>LOOSE SAND:</b> Very light grey, fine lower to granule grained, dominantly medium to coarse, very poorly sorted, angular to sub-rounded, transparent to translucent quartz. Markedly finer grained than above.	GIP	-	-	-	-	-	-
1750	100	<b>LOOSE SAND:</b> Very light grey, very fine to very coarse, dominantly medium to coarse grained, very poorly sorted, angular to sub-rounded, transparent to translucent quartz.	GIP	-	-	-	-	-	-
1755	100	<b>LOOSE SAND:</b> as above. <i>Traces of Barablok mud additive appears as very fine black angular coal-like flakes.</i>	GIP	-	-	-	-	-	-
1760	100	<b>LOOSE SAND:</b> White to very light yellowish grey, fine upper to coarse upper, dominantly coarse grained, poorly sorted, angular to sub-angular, rarely sub-rounded, transparent to translucent, sub-spherical quartz.	GIP	-	-	-	-	-	-
		<b>Calcimetry:</b> Calcite: 8.5%; Dolomite: 0.1%							
1765	100	<b>LOOSE SAND:</b> as above.	GIP	-	-	-	-	-	-
1766	100	<b>LOOSE SAND:</b> as above, trace aggregates of pyrite crystals.	GIP	-	-	-	-	-	-
		<b>Calcimetry:</b> Calcite: 7.4%; Dolomite: 0.1%							
		<b>311 mm (12.25") hole section reached TD of 1766 mMDRT at 15:30 hrs on 18 May 2008.</b>							