



WELLSITE SAMPLE DESCRIPTION

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		
		914mm / 36" hole section drilled riserless to 125.0m MDRT. 762mm / 30" Conductor set at 122.0m MDRT.							
		444mm / 17½" hole section drilled from 125.0m MDRT commencing 05:04hrs, 26 April 2008.							
		20m sample interval.							
125-140	70	SHELL FRAGMENTS: Very coarse to granular < 5mm to common fine, abundant bivalves, bryozoans, gastropods, minor echinoderms, occasional microforaminifera.	FIP	-	Mnrl flu from shell frags only	-	-	-	-
	15	LOOSE SAND: Very coarse – granular < 2mm to fine sand, sub-angular to sub-rounded, rounded in part, abundant translucent to transparent, common orange, yellow, rose, minor fine muscovite and biotite flakes (possibly derived from Calcarenite), trace black carbonaceous material.	PIP	-	-	-	-	-	-
	15	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	Tr	CEMENT: Contamination. Trace amounts.		-	-	-	-	-	-
		Calcimetry: Calcite: 21.9%; Dolomite: 16.7%							
140-160	80	SHELL FRAGMENTS: as above, common echinoderms, common microforaminifera, minor sponge spicules.	FIP	-	Mnrl flu from shell frags only	-	-	-	-
	15	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	5	LOOSE SAND: as above.	FIP	-	-	-	-	-	-
	-	CEMENT: Contamination, 5%		-	-	-	-	-	-
		Calcimetry: Calcite: 48.5%; Dolomite: 16.5%							
180	45	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP			-	-	-	-
	30	SHELL FRAGMENTS: Very coarse to granular < 5mm to abundant fine, abundant bivalves, bryozoans, gastropods, common echinoderms, common microforaminifera, minor sponge spicules.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
	25	LOOSE SAND: Abundant fine to very coarse quartz sand in part, sub-angular to sub-rounded in part, abundant translucent to transparent, common orange, yellow, rose, minor pale yellow to white sub-angular calcite, minor fine muscovite and biotite flakes (possibly derived from Calcarenite), trace black carbonaceous material.	GIP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
		Calcimetry: Calcite: 60.8%; Dolomite: 16.4%							
200	60	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP	-	Mnrl flu from shell frags only	-	-	-	-
	20	SANDSTONE: Light olive grey to olive grey, friable to moderately hard in part, abundant very fine to fine, sub-angular quartz, fine shell fragments, minor black lithics and calcite grains, highly calcareous, moderately well cemented, good visible porosity	GVP	-	-	-	-	-	-
	15	SHELL FRAGMENTS: as above.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
	5	LOOSE SAND: as above.	GIP	-	-	-	-	-	-
		Calcimetry: Calcite: 82.2%; Dolomite: 0.2%							
220	80	SANDSTONE: as above.	GVP	-	-	-	-	-	-
	15	SHELL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	5	CALCARENITE: as above.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 58.3%; Dolomite: 0.3%							
240	70	SANDSTONE: as above.	GVP	-	-	-	-	-	-
	20	LOOSE SAND: as above.	GIP	-	-	-	-	-	-
	10	SHELL FRAGMENTS: as above.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
		Calcimetry: Calcite: 55.0%; Dolomite: 6.0%							
260	60	SANDSTONE: Light olive grey to olive grey, friable, abundant very fine to fine, sub-angular calcite, quartz and fine shell fragments, minor black lithics, highly calcareous, moderately well cemented, good visible porosity.	GVP	-	-	-	-	-	-
	30	LOOSE SAND: as above, trace granular < 4mm, sub-angular translucent to yellow quartz.	GIP	-	-	-	-	-	-
	10	SHELL FRAGMENTS: very coarse to granular < 5mm to abundant fine, abundant bivalves, bryozoans, gastropods, common echinoderms, common microforaminifera, minor sponge spicules.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
		Calcimetry: Calcite: 64.3%; Dolomite: 6.2%							
280	70	SHELL FRAGMENTS: very coarse to granular < 5mm, abundant bivalves, bryozoans, gastropods, common echinoderms, common microforaminifera, minor sponge spicules.	FIP	-	Mnrl flu from shell frags only	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
	25	SANDSTONE: Light olive grey to olive grey, friable, abundant very fine to fine, sub-angular quartz and fine shell fragments, minor black lithics, highly calcareous, moderately well cemented, good visible porosity.	GVP	-	-	-	-	-	-
	5	LOOSE SAND: as above, trace granular < 4mm, sub-angular translucent to yellow quartz.	GIP	-	-	-	-	-	-
		Calcimetry: Calcite: 56.0%; Dolomite: 0.5%							
300	85	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace orange, yellow, rose, quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	10	SANDSTONE: Light olive grey to olive grey, friable, abundant very fine to fine, sub-angular quartz and minor calcite, fine shell fragments, minor black lithics, highly calcareous, moderately well cemented, good visible porosity.	GVP	-	-	-	-	-	-
	5	SHELL FRAGMENTS: Abundant fine to very coarse - granular < 2mm, abundant bivalves, bryozoans, gastropods, common echinoderms, common microforaminifera, minor sponge spicules.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
		Calcimetry: Calcite: 57.4%; Dolomite: 0.5%							
320	80	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace orange, yellow, rose, quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	20	LOOSE SAND: Abundant fine to very coarse quartz sand in part, sub-angular to sub-rounded in part, abundant translucent to transparent, common orange, yellow, rose, minor pale yellow to white sub-angular calcite, minor fine muscovite and biotite flakes (possibly derived from Calcarenite), trace black carbonaceous material.	GIP	-	-	-	-	-	-
	Tr	SHELL FRAGMENTS: Abundant fine to very coarse - granular < 2mm in part, abundant bivalves, bryozoans, gastropods, common echinoderms, common microforaminifera, minor sponge spicules.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
		Calcimetry: Calcite: 75.8%; Dolomite: 0.8%							
340	65	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace orange, yellow, rose, quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	25	SANDSTONE: as above, soft in part, predominantly friable, hard in part.	GVP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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	SHELL FRAGMENTS: Abundant fine to very coarse - granular < 2mm in part, abundant bivalves, bryozoans, gastropods, sponge spicules, common echinoderms, common microforaminifera.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
		Calcimetry: Calcite: 71.7%; Dolomite: 7.3%							
360	70	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace orange, yellow, rose, quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	20	SANDSTONE: as above, soft in part, predominantly friable, hard in part.	GVP	-	-	-	-	-	-
	10	SHELL FRAGMENTS: Abundant fine to very coarse - granular < 2mm in part, abundant bivalves, bryozoans, gastropods, sponge spicules, common echinoderms, common microforaminifera.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
		Calcimetry: Calcite: 64.3%; Dolomite: 5.9%							
380	75	CALCARENITE: Mottled very pale orange to white, hard, fine, translucent to transparent, subangular calcite and trace orange, yellow, rose, quartz, common fine muscovite and biotite flakes, highly calcareous, well cemented calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	15	SANDSTONE: as above, soft in part, predominantly friable, hard in part.	GVP	-	-	-	-	-	-
	10	SHELL FRAGMENTS: Abundant fine to very coarse in part, abundant bivalves, bryozoans, gastropods, sponge spicules, common echinoderms, common microforaminifera, common skeletal fragments.	PIP	-	Mnrl flu from shell frags only	-	-	-	-
		Calcimetry: Calcite: 84.9%; Dolomite: 12.8%							
400	75	CALCARENITE: Yellowish grey to light olive grey to olive grey in part, moderately hard to hard calcite, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, minor black lithics, minor microforaminifera with glauconite-replaced cement, trace fine shell fragments, highly calcareous, well cemented, inferred calcite cement, poor porosity.	PVP			-	-	-	-
	15	SHELL & SKELETAL FRAGMENTS: Abundant fine to medium, abundant sponge spicules, common echinoderms, common microforaminifera, trace bryozoans, gastropods.	PVP			-	-	-	-
	10	LOOSE SAND: Abundant fine to medium quartz, sub-angular to angular and rounded fine in part, abundant translucent to transparent, common orange, yellow, rose, trace black carbonaceous material.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 86.7%; Dolomite: 5.7%							



WELLSITE SAMPLE DESCRIPTION

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		
420	80	CALCARENITE: Yellowish grey to light olive grey to white in part, moderately hard to hard, recrystallised calcite, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, minor black lithics, minor micro-foraminifera with glauconite-replaced cement, trace fine shell fragments, highly calcareous, well cemented, inferred calcite cement in part and recrystallised grain to grain contacts, poor visible porosity.	PVP	-	-	-	-	-	-
	10	LOOSE SAND: as above.	FIP	-	-	-	-	-	-
	10	SHELL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 78.8%; Dolomite: 9.8%							
440	80	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	10	LOOSE SAND: as above.	FIP	-	-	-	-	-	-
	10	SHELL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 88.5%; Dolomite: 4.4%							
460	80	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	10	LOOSE SAND: as above, trace cryptocrystalline pyrite.	FIP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above, trace shell fragments.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 85.2%; Dolomite: 5.8%							
480	80	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	10	LOOSE SAND: as above, trace cryptocrystalline pyrite.	FIP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above, trace shell fragments.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 82.5%; Dolomite: 5.5%							
500	75	CALCARENITE: Yellowish grey to light olive grey to olive grey in part, moderately hard to hard calcite, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, minor black lithics, minor microforaminifera with glauconite-replaced cement, trace fine shell fragments, highly calcareous, well cemented, inferred calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	25	SKELETAL FRAGMENTS: Abundant fine to medium particles including abundant sponge spicules, common echinoderms, common micro-foraminifera, trace bryozoans.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 87.3%; Dolomite: 7.7%							
520	60	CALCARENITE: as above, locally traces containing common cryptocrystalline pyrite.	PVP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
	40	SKELETAL FRAGMENTS: Abundant fine to medium particles including abundant sponge spicules (commonly black), common echinoderms, common microforaminifera, trace bryozoans.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 88.9%; Dolomite: 3.9%							
540	50	CALCARENITE: as above, locally traces containing common cryptocrystalline pyrite.	PVP	-	-	-	-	-	-
	50	SKELETAL FRAGMENTS: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 92.3%; Dolomite: 0.6%							
560	50	CALCARENITE: as above, locally with common crypto-crystalline pyrite (trace overall abundance).	PVP	-	-	-	-	-	-
	40	SKELETAL FRAGMENTS: as above.	-	-	-	-	-	-	-
	10	LOOSE SAND: Abundant fine to medium and coarse, sub-rounded in part, sub-angular to angular, abundant translucent to transparent, trace orange, yellow, and rose coloured grains.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 88.9%; Dolomite: 6.8%							
580	65	CALCARENITE: as above, coarsening slightly to medium to coarse sand in part and shows a porous texture due to partial dissolving of skeletal fragments.	FVP	-	-	-	-	-	-
	30	SKELETAL FRAGMENTS: as above.	FIP	-	-	-	-	-	-
	5	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 88.9%; Dolomite: 6.9%							
600	70	CALCARENITE: as above, locally trace medium green glauconite pellets.	FVP	-	-	-	-	-	-
	20	SKELETAL FRAGMENTS: as above.	-	-	-	-	-	-	-
	10	LOOSE SAND: Abundant fine to medium and coarse grains, sub-rounded in part, sub-angular to angular, abundant translucent to transparent, minor orange, yellow, trace cryptocrystalline pyrite.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 85.1%; Dolomite: 6.5%							
620	60	CALCARENITE: as above, locally trace medium green glauconite pellets.	FVP	-	-	-	-	-	-
	20	SKELETAL FRAGMENTS: Abundant fine to medium particles including abundant sponge spicules (commonly black), common echinoderms, common microforaminifera, trace bryozoans.	-	-	-	-	-	-	-
	15	LOOSE SAND: Abundant fine to medium and coarse grains, sub-rounded in part, sub-angular to angular, abundant translucent to transparent, minor orange, yellow, trace crypto-crystalline pyrite.	PIP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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	SANDSTONE: White, very hard, translucent to white quartz, fine to medium in part, sub angular, trace fine skeletal fragments, slightly to moderately calcareous, well cemented (recrystallised, calcite cement), poor visible porosity.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 75.3%; Dolomite: 5.5%							
640	45	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	20	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	25	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
	10	SANDSTONE: as above.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 76.9%; Dolomite: 6.2%							
660	45	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	25	SANDSTONE: as above.	PVP	-	-	-	-	-	-
	15	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
	15	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 82.5%; Dolomite: 7.5%							
680	60	CALCARENITE: Light olive grey to olive grey in part, moderately hard to hard, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, minor black lithics, minor microforaminifera with glauconite-replaced cement, trace fine shell fragments, highly calcareous, well cemented, inferred calcite cement, poor porosity.	PVP	-	-	-	-	-	-
	20	SANDSTONE: White, very hard, translucent to white quartz, fine to medium in part, sub angular, trace fine skeletal fragments, slightly to moderately calcareous, well cemented (recrystallised, calcite cement), poor visible porosity.	PVP	-	-	-	-	-	-
	10	LOOSE SAND: Abundant fine to medium and coarse grains, sub-rounded in part, sub-angular to angular, abundant translucent to transparent grains, minor orange, yellow, trace cryptocrystalline pyrite.	PIP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 81.0%; Dolomite: 8.2%							
700	70	CALCARENITE: Light olive grey to olive grey in part, moderately hard to hard, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, minor black lithics, minor microforaminifera with glauconite- replaced cement, trace fine shell fragments, highly calcareous, well cemented, inferred calcite cement, poor porosity.	PVP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
	15	SANDSTONE: White, very hard, translucent to white quartz, fine to medium in part, sub-angular, trace fine skeletal fragments, slightly to moderately calcareous, well cemented (recrystallised calcite cement), poor visible porosity.	PVP	-	-	-	-	-	-
	15	LOOSE SAND: Abundant fine to medium and coarse grains, sub-rounded in part, sub-angular to angular, abundant translucent to transparent grains, minor orange, yellow, trace cryptocrystalline pyrite.	PIP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	Tr	CALCILUTITE: White, soft, fine to medium, sub angular quartz, common fine skeletal fragments, common foraminifera, trace medium green glauconite, highly calcareous, weak silty matrix.	PVP- NVP	-	-	-	-	-	-
		Calcimetry: Calcite: 81.3%; Dolomite: 9.6%							
720	80	CALCARENITE: as above, common white colour.	PVP	-	-	-	-	-	-
	10	SANDSTONE: as above, poor visible porosity	PVP	-	-	-	-	-	-
	5	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	5	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 82.6%; Dolomite: 13.6%							
740	75	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	10	SANDSTONE: as above.	PVP	-	-	-	-	-	-
	10	LOOSE SAND: Abundant very fine to medium, sub-angular to sub-rounded, abundant translucent to transparent grains, minor white, trace yellow.	PIP	-	-	-	-	-	-
	5	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 64.1%; Dolomite: 9.9%							
760	65	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	15	LOOSE SAND: as above.	GIP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	10	SANDSTONE: as above.	PVP	-	-	-	-	-	-
	Tr	CALCILUTITE: as above.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 63.2%; Dolomite: 5.5%							
780	70	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	10	LOOSE SAND: as above.	GIP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	10	SANDSTONE: as above.	PVP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
	Tr	CALCILUTITE: White, soft, fine to medium, sub angular quartz, common fine skeletal fragments, common foraminifera, trace medium green glauconite, highly calcareous, weak silty matrix.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 67.3%; Dolomite: 6.2%							
800	70	CALCARENITE: White to light olive grey, moderately hard to hard to recrystallised calcite, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, trace black lithics, minor microforaminifera with glauconite-replaced cement, trace fine skeletal fragments, highly calcareous, well cemented, inferred calcite cement in part and recrystallised grain-to-grain contacts, poor visible porosity.	PVP	-	-	-	-	-	-
	15	SKELETAL FRAGMENTS: abundant foraminifera, white and bluish black sponge spicules, echinoderm.	PIP	-	-	-	-	-	-
	10	CALCILUTITE: White to olive grey, soft, fine to medium, sub angular quartz, common fine skeletal fragments, common foraminifera, trace medium green glauconite, highly calcareous, weak silty matrix.	PVP	-	-	-	-	-	-
	5	LOOSE SAND: Translucent to transparent, very coarse to granular < 2mm and very fine, sub-rounded quartz.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 69.0%; Dolomite: 4.8%							
820	85	CALCARENITE: as above, white to light grey.	PVP	-	-	-	-	-	-
	15	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	Tr	LOOSE SAND: Translucent to transparent, very coarse to granular < 2mm and very fine, sub-rounded quartz.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 68.4%; Dolomite: 5.8%							
840	80	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	15	SKELETAL FRAGMENTS: abundant foraminifera, white and bluish black sponge spicules, echinoderm.	PIP	-	-	-	-	-	-
	5	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
	Tr	CALCILUTITE: White to olive grey, soft, fine to medium, sub angular quartz, common fine skeletal fragments, common foraminifera, trace medium green glauconite, highly calcareous, weak silty matrix.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 71.1%; Dolomite: 3.8%							
860	65	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	15	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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	SANDSTONE: Translucent to white, very hard, fine to medium in part, sub angular quartz, slightly to moderately calcareous, fine white inferred calcite cement in part (recrystallised), poor visible porosity.	PVP	-	-	-	-	-	-
	5	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
	5	CALCILUTITE: as above.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 62.9%; Dolomite: 4.4%							
880	60	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	15	CALCILUTITE: as above.	PVP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
	10	SANDSTONE: as above, locally with abundant cryptocrystalline pyrite (trace overall abundance).	PVP	-	-	-	-	-	-
	5	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 66.3%; Dolomite: 4.5%							
900	40	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	35	CALCILUTITE: White to light olive grey, soft, amorphous, locally trace with very fine transparent quartz.	NVP-PVP	-	-	-	-	-	-
	15	SKELETAL FRAGMENTS: as above, occasionally with local glauconite-infilled cement	PIP	-	-	-	-	-	-
	10	SANDSTONE: as above, locally with abundant cryptocrystalline pyrite (trace overall abundance).	PVP	-	-	-	-	-	-
	Tr	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 67.0%; Dolomite: 3.4%							
920	50	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	40	CALCILUTITE: as above.	PVP	-	-	-	-	-	-
	10	SKELETAL FRAGMENTS: as above, occasional glauconite infilled cement.	PIP	-	-	-	-	-	-
	Tr	SANDSTONE: as above, locally with abundant cryptocrystalline pyrite in trace amounts as above.	PVP	-	-	-	-	-	-
	Tr	CLAYSTONE: medium grey, soft, amorphous to firm in part, homogeneous, slakey in part, highly calcareous, grades to MARL.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 68.4%; Dolomite: 6.8%							
940	50	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	40	CALCILUTITE: as above.	PVP	-	-	-	-	-	-
	5	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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	CLAYSTONE: as above.	-	-	-	-	-	-	-
	Tr	SANDSTONE: as above.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 75.9%; Dolomite: 7.1%							
		Provisional Top: Lakes Entrance Formation at 960.0m MDRT / -857.5m SS.							
960	60	CALCILUTITE: White to olive grey, soft, fine to medium, sub-angular quartz, common fine skeletal fragments, common foraminifera, trace medium green glauconite, highly calcareous, weak silty matrix.	PVP	-	-	-	-	-	-
	30	CALCARENITE: White to olive grey, moderately hard to hard to recrystallised calcite, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, minor microforaminifera with glauconite-replaced cement, trace black lithics, trace fine skeletal fragments, highly calcareous, well cemented, inferred calcite cement in part and recrystallised grain-to-grain contacts, poor visible porosity.	PVP	-	-	-	-	-	-
	5	SKELETAL FRAGMENTS: Abundant foraminifera, white and bluish black sponge spicules, echinoderm.	PIP	-	-	-	-	-	-
	5	CLAYSTONE: Medium grey, soft, amorphous to firm in part, homogenous, slakey in part, occasionally with glauconite infilled cement, highly calcareous, grades to MARL.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 45.5%; Dolomite: 8.2%							
980	45	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	25	CALCILUTITE: as above.	PVP	-	-	-	-	-	-
	25	LOOSE SAND: Translucent to transparent, yellow in part, fine to very coarse, sub rounded to rounded, sub angular in part, poorly sorted.	PIP	-	-	-	-	-	-
	5	SANDSTONE: Translucent to white, very hard, fine to medium in part, sub angular quartz, slightly to moderately calcareous, fine white inferred calcite cement in part (recrystallised), poor visible porosity.	PVP	-	-	-	-	-	-
	Tr	SKELETAL FRAGMENTS: as above, occasionally with glauconite infilled cement, occasional shell fragments.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 69.7%; Dolomite: 4.4%							
1000	60	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	30	CALCILUTITE: as above.	PVP	-	-	-	-	-	-
	5	LOOSE SAND: as above.	PIP	-	-	-	-	-	-
	5	SANDSTONE: as above.	PVP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
	Tr	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcmetry: Calcite: 70.1%; Dolomite: 10.0%							
1020	60	CALCARENITE: as above.	PVP	-	-	-	-	-	-
	35	CALCILUTITE: White to olive grey, soft, fine to medium, sub angular quartz, common fine skeletal fragments, common foraminifera, trace medium green glauconite, highly calcareous, weak silty matrix and grading to a CALCISILTITE in part.	PVP	-	-	-	-	-	-
	5	SANDSTONE: as above.	PVP	-	-	-	-	-	-
	Tr	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcmetry: Calcite: 62.7%; Dolomite: 11.6%							
1040	40	CALCILUTITE: as above, grading to a CALCISILTITE in part.	PVP	-	-	-	-	-	-
	40	CALCARENITE: White to olive grey, moderately hard to hard to recrystallised calcite, very fine to fine and medium in part, angular to sub-angular, translucent, pale yellow to occasionally orange, minor microforaminifera with glauconite-replaced cement, trace fine skeletal fragments, trace black lithics, highly calcareous, well cemented, inferred calcite cement in part and recrystallised grain-to-grain contacts, poor visible porosity.	PVP	-	-	-	-	-	-
	15	CALCISILTITE: Light olive grey to olive grey, firm to soft in part, common very fine, dominantly silt sized, transparent, sub angular quartz, trace black flecks (possible biotite), trace muscovite, trace skeletal material, argillaceous matrix.	PVP	-	-	-	-	-	-
	5	SANDSTONE: as above.	PVP	-	-	-	-	-	-
	Tr	SKELETAL FRAGMENTS: as above.	PIP	-	-	-	-	-	-
		Calcmetry: Calcite: 53.1%; Dolomite: 10.0%							
1060	45	CALCILUTITE: White to olive grey, soft, fine to medium, sub-angular quartz, common fine skeletal fragments, common foraminifera, trace medium green glauconite, highly calcareous, weak silty matrix and grading to a CALCISILTITE in part.	PVP	-	-	-	-	-	-
	30	CALCISILTITE: as above.	PVP	-	-	-	-	-	-
	20	CALCARENITE: as above, poor visible porosity	PVP	-	-	-	-	-	-
	5	SANDSTONE: White to light olive grey, very hard, translucent to white grains, fine to medium in part, sub angular, slightly calcareous, well calcite cemented (recrystallised) and pyrite-replaced cement in part, poor visible porosity.	PVP	-	-	-	-	-	-
		Calcmetry: Calcite: 55.3%; Dolomite: 9.7%							
1080	45	CALCISILTITE: as above.	PVP	-	-	-	-	-	-
	35	CALCILUTITE: as above, grading to a CALCISILTITE in part.	PVP	-	-	-	-	-	-

[illegible]



WELLSITE SAMPLE DESCRIPTION

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		
		311 mm/12.25" hole section drilled from 1123 m MDRT commencing 13:15 hrs, 03 May 2008.							
		10 m Sample interval							
1123-1130	60	CALCILUTITE: Greenish grey to olive grey in part, soft, trace loose fine skeletal fragments, trace very fine black flecks (possibly biotite) and grading to a CALCISILTITE in part.	-	-	-	-	-	-	-
	40	CALCISILTITE: Light olive grey to olive grey, soft to hard in part, common very fine, dominantly silt sized, transparent to translucent, sub angular quartz, trace black flecks (possible biotite), trace silt sized mica specks, trace locally with argillaceous matrix.	-	-	-	-	-	-	-
	Tr	CALCARENITE: White to olive grey in part, moderately hard to hard, very fine to fine and occasional medium, sub-angular, translucent calcite, trace black lithics, moderately to well cemented in part, inferred calcite cement, fair visible porosity.	FVP	-	Trace pale to bright yellow mineral fluorescence	-	-	-	-
		Calcimetry: Calcite: 47.2% Dolomite: 9.5%							
1140	75	CALCILUTITE: as above, common olive grey.	-	-	-	-	-	-	-
	25	CALCISILTITE: as above.	-	-	-	-	-	-	-
	Tr	CALCARENITE: as above, occasional loose, translucent, sub angular to angular calcite grains.	FVP	-	Trace pale to bright yellow mineral fluorescence	-	-	-	-
		Calcimetry: Calcite: 46.5% Dolomite: 12.3%							
1150	95	CALCILUTITE: as above, trace loose, very coarse, translucent, angular calcite.		-	-	-	-	-	-
	5	CALCISILTITE: as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 49.2% Dolomite: 8.8%							
1160	100	CALCILUTITE: as above, locally with trace very fine black carbonaceous material(?). NOTE: Barablock (coal inhibitor) being added to mud system – may be contaminant.		-	-	-	-	-	-
		Calcimetry: Calcite: 46.5% Dolomite: 12.3%							
1170	100	CALCILUTITE: Medium dark grey to olive grey to dark greenish grey, soft to firm to moderately hard, sub-blocky, grading locally silty, trace calcareous CLAYSTONE.		-	-	-	-	-	-
		Calcimetry: Calcite: 49.2% Dolomite: 8.8%							
1180	100	CALCILUTITE: as above, trace carbonaceous material as streaks and specks, trace micromicas.		-	-	-	-	-	-
		Calcimetry: Calcite: 49.2% Dolomite: 8.8%							
1190	100	CALCILUTITE: as above.		-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
	Tr	SANDSTONE: Medium light grey, hard, very fine grained, sub-angular to sub-rounded, moderately sorted, well calcareous cemented, trace carbonaceous material, trace very fine grained disseminated pyrite, poor visual porosity, no show.	PVP	-	-	-	-	-	-
		Calcimetry: Calcite: 47.8% Dolomite: 9.0%							
1200	100	CALCILUTITE: as above, trace biotite flakes.		-	-	-	-	-	-
		Calcimetry: Calcite: 32.5% Dolomite: 12.3%							
1210	100	CALCILUTITE: Medium dark grey to olive grey to dark greenish grey, soft to firm to moderately hard, sub-blocky, grading locally silty, trace shell fragments, trace micromicas, trace carbonaceous specks, trace calcareous CLAYSTONE (increasing in abundance with depth).		-	-	-	-	-	-
		Calcimetry: Calcite: 25.9% Dolomite: 12.1%							
1220	100	CALCILUTITE: as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 19.8% Dolomite: 3.3%							
1230	60	CALCILUTITE: as above, 20-40% argillaceous material, grading with depth to CALCAREOUS CLAYSTONE.		-	-	-	-	-	-
	40	CALCAREOUS CLAYSTONE: medium grey, soft to firm, sub-blocky, micromicaeous, trace carbonaceous material.		-	-	-	-	-	-
		Calcimetry: Calcite: 27.8% Dolomite: 0.5%							
1240	30	CALCILUTITE: as above.		-	-	-	-	-	-
	70	CALCAREOUS CLAYSTONE: Medium grey, olive grey, soft to firm, sub-blocky, 40% calcareous clay, micromicaeous, trace carbonaceous material.		-	-	-	-	-	-
		Calcimetry: Calcite: 23.4% Dolomite: 6.6%							
1250	20	CALCILUTITE: Greenish grey, soft, sub-blocky, trace glauconite.		-	-	-	-	-	-
	80	CALCAREOUS CLAYSTONE: Medium grey, olive grey, dark greenish grey, soft to firm, sub-blocky, 40% calcareous clay, micromicaeous, trace carbonaceous material, trace very fine grained disseminated pyrite, trace glauconite.		-	-	-	-	-	-
		Calcimetry: Calcite: 30.8% Dolomite: 4.0%							
1260	20	CALCILUTITE: as above.		-	-	-	-	-	-
	80	CALCAREOUS CLAYSTONE: as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 30.3% Dolomite: 7.6%							
1270	10	CALCILUTITE: as above.		-	-	-	-	-	-
	90	CALCAREOUS CLAYSTONE: as above, increase in glauconite percentage.		-	-	-	-	-	-
		Calcimetry: Calcite: 17.2% Dolomite: 1.6%							
1280	100	CALCAREOUS CLAYSTONE: as above, in part sub-fissile when dark greenish grey.		-	-	-	-	-	-
		Calcimetry: Calcite: 23.2% Dolomite: 8.2%							



WELLSITE SAMPLE DESCRIPTION

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		
1290	100	CALCAREOUS CLAYSTONE: Medium grey, medium dark grey, occasionally medium light grey, soft to firm, sub-blocky, 30% calcareous clay, trace glauconite, trace carbonaceous material. Calcimetry: Calcite: 30.3% Dolomite: 5.6%		-	-	-	-	-	-
1300	100	CALCAREOUS CLAYSTONE: as above, trace foraminifera. Calcimetry: Calcite: 32.2% Dolomite: 1.3%		-	-	-	-	-	-
1310	100	CALCAREOUS CLAYSTONE: as above, trace dark greenish grey. Calcimetry: Calcite: 28.3% Dolomite: 3.7%		-	-	-	-	-	-
1320	100	CALCAREOUS CLAYSTONE: medium grey, medium dark grey, soft to firm, sub-blocky, 20% (decreasing with depth) calcareous clay, rare foraminifera, trace carbonaceous material. Calcimetry: Calcite: 23.1% Dolomite: 4.5%		-	-	-	-	-	-
1330	100	CALCAREOUS CLAYSTONE: as above. Calcimetry: Calcite: 19.5% Dolomite: 4.1%		-	-	-	-	-	-
1340	100	CALCAREOUS CLAYSTONE: as above, trace very fine pyrite as burrow(?) replacement. Calcimetry: Calcite: 21.3% Dolomite: 3.0%		-	-	-	-	-	-
1350	100	CALCAREOUS CLAYSTONE: as above. Calcimetry: Calcite: 21.9% Dolomite: 3.8%		-	-	-	-	-	-
1360	100	CALCAREOUS CLAYSTONE: as above. Calcimetry: Calcite: 16.5% Dolomite: 3.4%		-	-	-	-	-	-
1370	100	CALCAREOUS CLAYSTONE: Medium dark grey, olive grey, soft to firm, sub-blocky, 20% calcareous clay, trace carbonaceous, trace very fine pyrite as burrow(?) replacement. Calcimetry: Calcite: 21.9% Dolomite: 3.3%		-	-	-	-	-	-
1380	100	CALCAREOUS CLAYSTONE: as above. (Barablock contamination in sample) Calcimetry: Calcite: 9.9% Dolomite: 3.9%		-	-	-	-	-	-
1390	100	CALCAREOUS CLAYSTONE: as above, calcareous percentage decreasing, grading to CLAYSTONE. Calcimetry: Calcite: 13.1% Dolomite: 3.1%		-	-	-	-	-	-
1400	100	CLAYSTONE: medium dark grey, dark greenish grey, soft to firm, sub-blocky, 10% calcareous clay, trace micromicas. Calcimetry: Calcite: 14.0% Dolomite: 0.7%		-	-	-	-	-	-
1410	100	CLAYSTONE: as above. Calcimetry: Calcite: 8.3% Dolomite: 8.5%		-	-	-	-	-	-
1420	100	CLAYSTONE: as above. Calcimetry: Calcite: 10.5% Dolomite: 7.3%		-	-	-	-	-	-
1430	100	CLAYSTONE: as above, trace very fine pyrite aggregates.		-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
		Calcimetry: Calcite: 7.3% Dolomite: 8.7%							
1440	100	CLAYSTONE: Medium dark grey, dark greenish grey, medium grey in part, soft to firm, sub-blocky, 10% calcareous clay, trace micromicas.		-	-	-	-	-	-
		Calcimetry: Calcite: 19.6% Dolomite: 7.1%							
1450	100	CLAYSTONE: as above, grading lighter in part to medium light grey, more calcareous and trace biotite flakes.		-	-	-	-	-	-
		Calcimetry: Calcite: 22.4% Dolomite: 10.8%							
1460	90	CLAYSTONE: Medium light grey, soft, blocky, 15% calcareous clay, trace micromicas.		-	-	-	-	-	-
	10	CLAYSTONE: Dark greenish grey, soft, 15% calcareous clay, 10% glauconite grains (greenish black and green).		-	-	-	-	-	-
		Calcimetry: Calcite: 13.4% Dolomite: 7.4%							
1470	40	CLAYSTONE: Medium light grey, as above.		-	-	-	-	-	-
	60	CLAYSTONE: Dark greenish grey, as above, 30% glauconite grains.		-	-	-	-	-	-
		Calcimetry: Calcite: 13.3% Dolomite: 2.7%							
		NOTE: End of 10m sample interval. Sample interval to TD at 3m (nominal). Where ROP was too high cuttings samples have been caught at larger spacing.							
1476	100	CLAYSTONE: Medium light grey, soft, sub-blocky, 15% calcareous clay, 10% glauconite, trace micromicas, trace foraminifera.		-	-	-	-	-	-
		Calcimetry: Calcite: 14.8% Dolomite: 8.0%							
1482	100	CLAYSTONE: as above, trace light olive grey, soft, sub-blocky, no longer glauconitic, rare coral fragments.		-	-	-	-	-	-
		Calcimetry: Calcite: 8.7% Dolomite: 5.5%							
1491	100	CLAYSTONE: Medium light grey, soft, sub-blocky, 15% calcareous clay, 5% glauconite, trace micromicas.		-	-	-	-	-	-
		Calcimetry: Calcite: 7.5% Dolomite: 9.6%							
1497	100	CLAYSTONE: Medium light grey, olive grey, soft to firm, sub-blocky, rarely sub-fissile, 15% calcareous clay, 5% glauconite, rare foraminifera, trace very fine grained pyrite aggregates.		-	-	-	-	-	-
1500	100	CLAYSTONE: Medium light grey to brownish grey, soft to firm, 25% calcareous clay, 5% glauconite, trace pyrite.		-	-	-	-	-	-
		Calcimetry: Calcite: 16.5% Dolomite: 1.6%							
		NOTE: Definite colour change noted in cuttings.							
1506	100	CLAYSTONE: Brownish grey, medium light grey, very soft to soft, rarely firm, 10% calcareous clay, 15% glauconite.		-	-	-	-	-	-
		Calcimetry: Calcite: 6.8% Dolomite: 3.7%							
1512	100	CLAYSTONE: as above, grading to SILTSTONE in the brownish grey fraction.		-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
		Calcimetry: Calcite: 6.0% Dolomite: 5.5%							
1518	30	CLAYSTONE: Medium light grey, soft to firm, sub-blocky, trace glauconite.		-	-	-	-	-	-
	70	SILTSTONE: Brownish grey, very soft to soft, sub-blocky, 30% glauconite, 10% calcareous clay.		-	-	-	-	-	-
	Tr	CALCILUTITE: Yellowish grey, soft.		-	-	-	-	-	-
		Calcimetry: Calcite: 11.9% Dolomite: 6.4%							
1524	90	SILTSTONE: Brownish grey, as above, trace very fine grained pyrite aggregates, trace shell fragments, trace foraminifera.		-	-	-	-	-	-
	10	CLAYSTONE: as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 5.5% Dolomite: 0.6%							
1530	90	SILTSTONE: as above, increased glauconite, 5% very fine grained pyrite aggregates.		-	-	-	-	-	-
	10	CLAYSTONE: as above.		-	-	-	-	-	-
	Tr	SANDSTONE: Loose quartz grains, clear and opaque, light grey, polished, fine to medium to coarse to very coarse grained, sub-angular to sub-rounded to rounded, poorly sorted, trace grey matrix on grain surfaces, poor inferred porosity, no show discernible.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 5.5% Dolomite: 0.6%							
1536	70	SILTSTONE: Brownish grey, very soft to soft, sub-blocky, 30% glauconite, 10% calcareous clay, 5% very fine grained pyrite aggregates, trace foraminifera.		-	-	-	-	-	-
	20	CLAYSTONE: Medium light grey, soft to firm, sub-blocky, trace glauconite.		-	-	-	-	-	-
	10	SANDSTONE: Loose quartz grains, as above, in part poorly siliceous cemented.	PIP	-	-	-	-	-	-
	Tr	COAL: Dark brown black, sub-fissile, soft, argillaceous, earthy.		-	-	-	-	-	-
		Calcimetry: Calcite: 5.5% Dolomite: 0.6%							
1542	70	SILTSTONE: as above, trace locally with minor fine muscovite flakes.		-	-	-	-	-	-
	10	SANDSTONE: Loose quartz grains, as above, grading coarser.	PIP	-	-	-	-	-	-
	20	COAL: Black, dark brown black, blocky, cleated, predominantly bright, trace very fine grained disseminated pyrite		-	-	-	-	-	-
	Tr	CLAYSTONE: as above, grading to SILTSTONE.		-	-	-	-	-	-
		Calcimetry: Calcite: 2.3% Dolomite: 0.2%							
1545	60	COAL: as above		-	-	-	-	-	-
	30	SILTSTONE: as above.		-	-	-	-	-	-
	10	SANDSTONE: Loose quartz grains, as above, grading coarser.	PIP	-	-	-	-	-	-
	Tr	CLAYSTONE: as above		-	-	-	-	-	-
		Calcimetry: Calcite: 2.3% Dolomite: 0.2%							
1551	85	SILTSTONE: as above.		-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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	SANDSTONE: loose quartz grains, as above, grading coarser.	PIP	-	-	-	-	-	-
	5	COAL: as above.		-	-	-	-	-	-
	Tr	CLAYSTONE: as above.		-	-	-	-	-	-
		Calcmetry: Calcite: 2.1% Dolomite: 0.2%							
1560	90	SILTSTONE: Brownish grey, very soft to soft, sub-blocky, 10% calcareous clay, 5% very fine grained pyrite aggregates and trace locally with abundant cryptocrystalline pyrite, trace fine to medium glauconite grains.		-	-	-	-	-	-
	5	SANDSTONE: Trace aggregates, pale yellow to yellowish grey, friable, very fine to fine, sub-angular to sub-rounded quartz, inferred silica cement, good visible porosity; Dominantly loose quartz grains as above.	GVP	-	Trace bright pale yellow fluorescence	Moderately fast streaming bright blue white	Good, moderately thick residual ring	Bright blue-yellow	Tr
	5	CLAYSTONE: as above.	-	-	-	-	-	-	-
	Tr	COAL: as above.	-	-	-	-	-	-	-
		Calcmetry: Calcite: 2.3% Dolomite: 0.2%							
1566	60	SILTSTONE: as above.	-	-	-	-	-	-	-
	35	CLAYSTONE: as above.	-	-	-	-	-	-	-
	5	SANDSTONE: Trace aggregates, pale yellow to yellowish grey, friable, very fine to fine, sub-angular to sub-rounded quartz, inferred silica cement, good visible porosity; Dominantly loose quartz grains as above.	GVP	-	Trace bright pale yellow fluorescence	Slw to mod fast streaming bright blue white	Thin, weak residual ring	Bright blue-yellow	Tr
1572	50	SILTSTONE: as above.	-	-	-	-	-	-	-
	45	CLAYSTONE: as above.	-	-	-	-	-	-	-
	5	SANDSTONE: as above, dominantly loose.	GVP		Trace bright pale yellow fluorescence	Slow streaming bright blue white	Thin, weak, spotty residual ring	Bright blu-yel	Tr
		Calcmetry: Calcite: 2.9% Dolomite: 0.7%							
1578	50	CLAYSTONE: Medium light grey, soft to firm, sub-blocky, trace glauconite.	-	-	-	-	-	-	-
	35	SILTSTONE: Brownish grey, soft to moderately hard, sub-blocky, trace to 10% calcareous clay, 5% very fine grained pyrite aggregates and trace locally with abundant cryptocrystalline pyrite.	-	-	-	-	-	-	-
	15	SANDSTONE: Trace aggregate, pale yellow to yellowish grey, friable, very fine to fine, sub-angular to sub-rounded quartz, inferred silica cement, good visible porosity; Dominantly loose quartz grains clear and opaque, light grey, polished, fine to medium to very coarse to granular grained, sub-angular to sub-rounded in part, poorly sorted, trace grey matrix on grain surfaces, poor inferred porosity.	GVP & PIP	-	Trace bright pale yellow fluorescence	Slow streaming bright blue white	Thin, weak, spotty, residual ring	Bright blue-yellow	Tr
		Calcmetry: Calcite: 2.9% Dolomite: 0.7%							



WELLSITE SAMPLE DESCRIPTION

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		
1584	50	SANDSTONE: Loose, transparent to translucent, medium grained, trace fine in part and trace very coarse in part, sub-angular to sub-rounded in part, moderately well sorted, trace fine forams, good inferred porosity.	GIP	-	-	-	-	-	-
	30	CLAYSTONE: as above.	-	-	-	-	-	-	-
	15	SILTSTONE: as above.	-	-	-	-	-	-	-
	5	COAL: as above.	-	-	-	-	-	-	-
		Calcmetry: Calcite: 2.9% Dolomite: 0.7%							
1590	45	COAL: as above.	-	-	-	-	-	-	-
	20	SANDSTONE: Loose, transparent to translucent, fine to very coarse and granular in part, sub-angular to rounded, very poorly sorted, trace fine forams, poor inferred porosity.	PIP	-	-	-	-	-	-
	20	SILTSTONE: as above.	-	-	-	-	-	-	-
	15	CLAYSTONE: Medium light grey, soft to firm, sub-blocky, trace glauconite.	-	-	-	-	-	-	-
		Calcmetry: Calcite: 2.1% Dolomite: 1.0%							
1596	85	COAL: Black, dark brown black in part, blocky, cleated, sub conchoidal fracturing in part, predominantly bright, trace very fine grained disseminated pyrite in part.	-	-	-	-	-	-	-
	10	SANDSTONE: as above.	-	-	-	-	-	-	-
	5	SILTSTONE: as above.	-	-	-	-	-	-	-
1599	70	SANDSTONE: Loose, generally as above, 15% aggregates, trace translucent to white, hard, medium to fine grained, sub-angular to angular quartz, moderately sorted, well cemented, recrystallised in part, poor visible porosity.	PVP	-	Trace bright pale yellow fluorescence	-	-	-	-
	20	SILTSTONE: as above.	-	-	-	-	-	-	-
	10	CLAYSTONE: as above.	-	-	-	-	-	-	-
	tr	COAL: as above.	-	-	-	-	-	-	-
		Calcmetry: Calcite: 0.7% Dolomite: 0.5%							
1602	85	SANDSTONE: Loose as above, 10% aggregates, trace translucent to white, hard, medium to fine grained, sub-angular to angular, quartzose, moderately sorted, slightly calcareous, well cemented, inferred calcite cement in part, recrystallised in part, poor visible porosity.	PVP	-	Trace bright pale yellow fluorescence	-	-	-	-
	10	CLAYSTONE: as above.	-	-	-	-	-	-	-
	5	SILTSTONE: Brownish grey, soft to moderately hard, sub-blocky, trace to 10% calcareous clay, 5% very fine grained pyrite aggregates and trace locally with abundant cryptocrystalline pyrite.	-	-	-	-	-	-	-
		Calcmetry: Calcite: 0.7% Dolomite: 0.5%							



WELLSITE SAMPLE DESCRIPTION

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		
1608	70	SANDSTONE: Loose, clear and translucent ,very fine grained, sub-rounded to rounded and grading to very coarse sub-angular to angular granular grained, very poorly sorted, poor inferred porosity. Trace aggregates, translucent to white, hard, medium to fine grained, sub-angular to angular, quartzose, moderately sorted, slightly calcareous, well cemented, inferred calcite cement in part, recrystallised in part, poor visible porosity.	PIP & PVP	-	-	-	-	-	-
	25	SILTSTONE: as above.	-	-	-	-	-	-	-
	5	CLAYSTONE: as above.	-	-	-	-	-	-	-
	Tr	COAL: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.5%							
1614	70	SILTSTONE: Olive grey to dark olive grey, soft to firm and hard in part, blocky to sub-blocky, abundant black carbonaceous material, trace to minor fine micaceous flecks, trace locally with cryptocrystalline pyrite, trace loose medium pyrite nodules.	-	-	-	-	-	-	-
	25	SANDSTONE: as above.	PIP	-	-	-	-	-	-
	5	CLAYSTONE: as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.6%							
1620	70	COAL: as above.	-	-	-	-	-	-	-
	20	SILTSTONE: as above.	-	-	-	-	-	-	-
	10	SANDSTONE: as above.	PIP	-	-	-	-	-	-
	Tr	CLAYSTONE: as above.							
		Calcimetry: Calcite: 0.7% Dolomite: 0.6%							
1626	85	SILTSTONE: Olive grey to dark olive grey, soft to firm in part, blocky to sub-blocky, abundant black carbonaceous material, trace to minor fine micaceous flecks, trace locally with cryptocrystalline pyrite, trace loose medium pyrite nodules.	-	-	-	-	-	-	-
	10	SANDSTONE: as above.	PIP	-	-	-	-	-	-
	5	COAL: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.6%							
1632	95	SILTSTONE: as above.	-	-	-	-	-	-	-
	5	SANDSTONE: as above.	PIP	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.6%							
1638	65	SILTSTONE: as above.	-	-	-	-	-	-	-
	30	SANDSTONE: as above,coarsening in part to granular < 2mm.	PIP	-	-	-	-	-	-
	5	COAL: Black, dark brownish black in part, blocky, cleated, sub conchoidal fracturing in part, predominantly bright, trace very fine grained disseminated pyrite in part.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.6%							
1644	75	SILTSTONE: as above.	-	-	-	-	-	-	-
	20	SANDSTONE: as above,coarsening in part to granular < 2mm.	PIP	-	Trace bright pale yellow	-	-	-	-
	5	COAL: as above.	-	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1650	40	COAL: as above.	-	-	-	-	-	-	-
	40	SANDSTONE: as above.	PIP	-	-	-	-	-	-
	20	SILTSTONE: as above, medium brown in part.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1656	80	SANDSTONE: Predominantly loose, translucent to transparent, very fine to medium grained, minor very coarse & angular (possible recrystallised sandstone aggregate) < 3 mm, sub-rounded to sub-angular and angular in part, poor inferred porosity. Trace Sandstone aggregates, as above.	PIP	-	Trace bright pale yellow	Very slow streaming bright blue-white	Thin, weak residual ring	Bright blue-yellow	Tr
	20	SILTSTONE: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1662	100	SANDSTONE: Loose, translucent to transparent, very fine to medium grained and minor very coarse & angular < 3 mm, sub-rounded to sub-angular and angular in part, poor inferred porosity. Common Sandstone aggregates, predominantly recrystallised, as above.	PIP	-	Trace bright pale yellow	-	-	-	-
	Tr	SILTSTONE: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1668	70	SANDSTONE: as above.	PIP	-	Trace bright pale yellow	-	-	-	-
	25	COAL: as above.	-	-	-	-	-	-	-
	5	SILTSTONE: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1674	90	SANDSTONE: Loose, translucent to transparent, very fine to medium grained and minor very coarse & angular < 3 mm, sub-rounded to sub-angular and angular in part, poor inferred porosity. Common Sandstone aggregates, predominantly recrystallised, as above.	PIP	-	-	-	-	-	-
	10	SILTSTONE: Olive grey to dark olive grey, soft to firm in part, blocky to sub-blocky, abundant black carbonaceous material, trace to minor fine micaceous flecks, trace locally with crypto-crystalline pyrite, trace well rounded fine glauconite, trace loose medium pyrite nodules.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1680	50	SANDSTONE: Translucent to white, hard, very coarse to granular grained, sub-angular to angular, quartzose, moderately well sorted, recrystallised, trace crypto-crystalline pyrite, poor visible porosity (within sandstone aggregate); minor loose quartz grains, as above.	PIP & PVP	-	Trace bright yellow – pale yellow	Very slow streaming bright blue-white	Thin, weak blotchy residual ring	Bright blue-yellow	Tr
	35	SILTSTONE: as above.	-	-	-	-	-	-	-
	15	COAL: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							



WELLSITE SAMPLE DESCRIPTION

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		
1686	95	SANDSTONE: as above.	FIP	-	5% bright yellow-pale yellow	Very slow streaming bright blue-white	Thin, weak blotchy residual ring	Bright blue-yellow	Tr
	5	SILTSTONE: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1692	90	SANDSTONE: as above.	FIP		Trace bright yellow – pale yellow	Very slow streaming bright blue-white	Thin, weak blotchy residual ring	Bright blue-yellow	Tr
	5	SILTSTONE: as above.	-	-	-	-	-	-	-
	5	CLAYSTONE: Light grey to very pale orange and white in part, soft to firm in part, amorphous, slakey in part.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1698	95	SANDSTONE: Dominantly in aggregate, as above, trace loose fine to medium grained in part, sub-rounded to rounded, quartzose.	FIP	-	Trace bright yellow – pale yellow	Very slow streaming bright blue-white	Thin, weak blotchy residual ring	Bright blue-yellow	Tr
	5	CLAYSTONE: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1704	100	SANDSTONE: Translucent to white, hard, very coarse to granular grained, sub-angular to angular, moderately well sorted, recrystallised, quartzose, trace crypto-crystalline pyrite, poor visible porosity (within sandstone aggregates); trace loose quartz grains, as above.	PVP-FIP	-	Trace bright yellow – pale yellow	Very slow streaming bright blue-white	Thin, weak blotchy residual ring	Bright blue-yellow	Tr
	Tr	CLAYSTONE: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1710	100	SANDSTONE: as above.	PVP-FIP	-	Trace bright yellow – pale yellow	Very slow streaming bright blue-white	Thin, weak blotchy residual ring	Bright blue-yellow	Tr
	Tr	CLAYSTONE: as above.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1716	100	SANDSTONE: Translucent to white, hard, very coarse to granular grained, sub-angular to angular, moderately well sorted, recrystallised, quartzose, trace locally with cryptocrystalline pyrite, poor visible porosity (within sandstone aggregates); trace loose quartz grains, as above.	PVP-FIP	-	-	-	-	-	-
	Tr	CLAYSTONE: as above.	-	-	-	-	-	-	-
	Tr	SILTSTONE: Olive grey to dark olive grey, soft to firm in part, blocky to sub-blocky, abundant black carbonaceous material, trace to minor fine micaceous flecks.	-	-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							



WELLSITE SAMPLE DESCRIPTION

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		
1722	80	SANDSTONE: Light grey, dark yellowish brown, predominantly opaque, in part clear, predominantly loose quartz, in part hard when recrystallised, coarse to granular grained, dominantly very coarse to granular, angular (shattered) to sub-rounded, moderately sorted, trace very fine grained pyrite as aggregates and cement, 5% siliceous cement, white clay matrix adhering to grains surfaces and washing out, inferred fair to good porosity.	FIP- GIP	Dark brown black staining on some grain surfaces	-	-	-	-	-
	20	COAL: Black, greenish black, brittle to moderately hard, cleated to platy, earthy to bright, in part with conchoidal fracture.		-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1728	90	SANDSTONE: Generally as above, less dark yellowish brown, grading fine grained to granular, poorly sorted, inferred poor visual porosity.	PIP- FIP	Dk brn-blk on some grain surfaces	-	-	-	-	-
	10	COAL: as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1734	10	SANDSTONE: as above.	PIP	As above	-	-	-	-	-
	80	SILTSTONE: Olive grey, pale yellowish brown, soft, amorphous to sub-blocky, trace carbonaceous material.		-	-	-	-	-	-
	10	CLAYSTONE: Medium dark grey, firm, sub-blocky, micromicaceous.		-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1740	60	SANDSTONE: Light grey, opaque, in part clear, loose quartz grains, predominantly medium grained, grading fine grained to granular, sub-angular to sub-rounded, moderately sorted, clay matrix washing out, trace very fine grained pyrite aggregates and cement, inferred fair visual porosity.	FIP	-	-	-	-	-	-
	10	SILTSTONE: as above.		-	-	-	-	-	-
	30	CLAYSTONE: as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1746	20	SANDSTONE: as above.	FIP	-	-	-	-	-	-
	30	COAL: Black, greenish black, brittle to moderately hard, cleated to platy, earthy to bright, in part with conchoidal fracture.		-	-	-	-	-	-
	50	SILTSTONE: Light grey, firm to hard, 15% clay, trace carbonaceous material, micromicaceous.		-	-	-	-	-	-
		Calcimetry: Calcite: 0.7% Dolomite: 0.1%							
1752	20	CLAYSTONE: as above.		-	-	-	-	-	-
	20	SANDSTONE: as above.	FIP	-	-	-	-	-	-
	60	SILTSTONE: Light grey, light olive grey, as above.		-	-	-	-	-	-
		Calcimetry: Calcite: 0.3% Dolomite: 0.1%							
1758	10	CLAYSTONE: as above.		-	-	-	-	-	-
	20	SILTSTONE: as above.		-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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		
	70	SANDSTONE: Light grey, dark yellowish brown, predominantly opaque, in part clear, predominantly loose quartz, in part hard when recrystallised, coarse to granular grained, dominantly very coarse to granular, angular (shattered) to sub-rounded, moderately sorted, 5% siliceous cement, white clay matrix adhering to grain surfaces and washing out, inferred fair to good visual porosity. Calcimetry: Calcite: 0.3% Dolomite: 0.1%	FIP- GIP	Dark brown black staining on some grain surfaces	-	-	-	-	-
1764	90	SANDSTONE: as above, trace very fine grained pyrite as aggregates and cement.	GIP	Dk brn-blk on some grain surfaces	-	-	-	-	-
	10	CLAYSTONE: as above. Calcimetry: Calcite: 0.3% Dolomite: 0.1%		-	-	-	-	-	-
1773	30	COAL: Black, greenish black, brittle to moderately hard, cleated to platy, earthy to bright, in part with conchoidal fracture, trace mica flakes.		-	-	-	-	-	-
	70	SANDSTONE: Light grey, opaque, in part clear, loose quartz grains, predominantly medium grained, grading fine grained to granular, sub-angular to sub-rounded, moderately sorted, clay matrix washing out, trace very fine grained pyrite aggregates and cement, inferred fair visual porosity. Calcimetry: Calcite: 0.3% Dolomite: 0.1%	FIP	-	-	-	-	-	-
1779	10	COAL: as above.		-	-	-	-	-	-
	50	SANDSTONE: as above, predominantly loose quartz, grading coarse to granular grained.	GIP	-	-	-	-	-	-
	40	SILTSTONE: Light olive grey, soft to firm, occasionally hard, 15% clay, grading locally to silty CLAYSTONE, trace carbonaceous material, micromicaceous. Calcimetry: Calcite: 0.3% Dolomite: 0.1%		-	-	-	-	-	-
1785	90	CLAYSTONE: Light olive grey, light grey, soft to firm, sub-blocky, locally silty to 10%, micromicaceous, rare carbonaceous material.		-	-	-	-	-	-
	10	SANDSTONE: as above. Calcimetry: Calcite: 0.3% Dolomite: 0.1%	GIP	-	-	-	-	-	-
1791	70	CLAYSTONE: as above, in part medium grey, firm, sub-blocky, trace micromicas.		-	-	-	-	-	-
	30	SANDSTONE: Generally as above, poorer sorted. Calcimetry: Calcite: 0.3% Dolomite: 0.1%	FIP	-	-	-	-	-	-
1797	90	SANDSTONE: Light grey, opaque, in part clear, loose quartz grains, predominantly medium grained, grading fine grained to granular, sub-angular to sub-rounded, moderately sorted, clay matrix washing out, trace very fine grained pyrite aggregates and cement, inferred fair visual porosity.	FIP	-	-	-	-	-	-



WELLSITE SAMPLE DESCRIPTION

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	CLAYSTONE: as above.		-	-	-	-	-	-
	Tr	COAL: Black, greenish black, brittle to moderately hard, cleated to platy, earthy to bright, in part with conchoidal fracture, trace very fine grained pyrite.		-	-	-	-	-	-
		Calcmetry: Calcite: 0.3% Dolomite: 0.1%							
1803	90	CLAYSTONE: Light olive grey, light grey, soft to firm, sub-blocky, locally silty to 10%, micromicaceous, rare carbonaceous material.		-	-	-	-	-	-
	10	SANDSTONE: Loose quartz, as above.	FIP	-	-	-	-	-	-
		Calcmetry: Calcite: 0.3% Dolomite: 0.1%							
1810	40	SILTSTONE: Light olive grey, firm, sub-blocky, trace carbonaceous material as specks and laminae.		-	-	-	-	-	-
	10	SANDSTONE: Loose quartz, as above.	FIP	-	-	-	-	-	-
	50	CLAYSTONE: Light olive grey, light grey, medium grey, soft to firm, sub-blocky, micromicaceous, rare carbonaceous material, trace disseminated pyrite.		-	-	-	-	-	-
		Calcmetry: Calcite: 0.3% Dolomite: 0.1%							
		311 mm (12.25") hole section reached TD of 1810 mMDRT at 1900 hours on 04 May 2008.							