

CLIENT:

FUGRO ENGINEERING SERVICES LIMITED

ENCLOSURE:14

TITLE:

CORE DESCRIPTION CHART

SCALE:1:50

WELL:

C6b

TD:

24.7m

GLE:

-3m

SURFACE POSITION:

X:449583, Y: 4237086

INTERVAL:

0m - 24.7m

ADDRESS:

Fugro Robertson Limited
Llandudno, North Wales LL30 1SA
United Kingdom
Telephone: +44(0)1492 581811
Facsimile: +44(0)1492 583416
Telex: 61595 (ROBRES G)
E-mail: info@fugro-robertson.com
Website: www.fugro-robertson.com

DETAILS:

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AUTHORS: O. DAVIS
REPORT NO: 7166/lb
PROJECT NO: GF721
SOFTWARE: WeICAD 4.1

FUGRO

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LEGEND

LITHOLOGY

claystone

siltstone

sandy siltstone

silty sandstone

sandstone

brecciated sandstone (tectonic)

clast supported conglomerate open framework

clast supported conglomerate with sands

Mud matrix supported conglomerate

Sand matrix supported conglomerate

Sedimentary breccia

SAMPLES

M

Micropalaeontology

N

Nannopalaeontology

P

Palynology

LOGGERS DEPTH	AGE	BIOZONE	CORE CONDITION	SAMPLES	GRAIN SIZE AND SEDIMENTARY STRUCTURES	LITHOLOGY	WELL SITE DESCRIPTION	CORE DESCRIPTION	BIOSTRATIGRAPHIC ANALYSIS					
					<div><div>cobbles/boulders</div><div>Pebbles</div><div>Granules</div><div>Very coarse sand</div><div>Coarse sand</div><div>Medium sand</div><div>Fine sand</div><div>Very fine sand</div><div>Agglutaneous siltstone</div><div>Mudstone</div><div>Anhydrite/Coal</div></div>									
1m:50m														
0.0	REC- ENT	MIDDLE PLEISTOCENE, IONIAN	MNN18 (UPPER)	P			HUMUS	RECENT SOIL: with root systems.	P: SABN fungal spores (Glomus spp.), ABN Asteraceae Cichorioideae, PRES Zygnema type					
0.5							CLAY, with angular gravel. Chestnut brown	Large carbonate clasts (+5cm) supported in a clay to silty matrix.						
1.0	MIDDLE PLEISTOCENE, IONIAN			N			CLAY: grey, with weathered areas (oxidised).	SAND: very fine with silty partings, gravel is scattered throughout.	N: CMN small Gephyrocapsa spp., Pseudoemiliana lacunosa, Sphenolithus neobabies, and S. abies, OCC G. oceanica, PRES S. heteromorphus (reworked), TOP Paleocene reworking					
1.5								Plant material.	P: SABN fungal spores, SABN Asteraceae Cichorioideae, OCC Chomotriletes (Concentricystes)					
2.0				M			CLAY: bed with plant material towards the base. A large rounded pebble is suspended, as well as a possible shell fragments at 5.85m.	CLAY: Homogeneous silty. Local clasts.	N: Highly impoverished assemblage, PRES Calcidiscus leptoporus, Reticulofenestra minutula, R. tenuistriatus, Coccolithus pelagicus					
2.5								CLAY: very fine with silty partings, gravel is scattered throughout.	M: SABN planktonics including ABN Orbulina universa, Globigerina spp., CMN Globigerinoides trilobus, CMN reworked Pliocene Globigerina decoraperta, CMN calcareous benthonics including Ammonia beccarii and reworked Miocene to Pliocene Cibicides spp.					
3.0				N			CLAY: grey, with weathered areas (oxidised).	Plant material scattered throughout in this sandy clay with a sandy coarse lag at the base of the bed.	N: OCC Pseudoemiliana lacunosa ovata, small Gephyrocapsa spp.					
3.5								Lignite was found at the base of this bed.	N: ABN small Gephyrocapsa spp., CMN G. oceanica, PRES Pseudoemiliana lacunosa ovata and Helicosphaera inversa, BASE Paleogene reworking. M: SABN small planktonics, CMN Ammonia beccarii, OCC Orbulina universa					
4.0				M			CLAY: bed with plant material towards the base. A large rounded pebble is suspended, as well as a possible shell fragments at 5.85m.	CLAY: Homogeneous silty. Local clasts.	P: SABN Asteraceae Cichorioideae, ABN fungal spores and Asteraceae Asteroideae					
4.5								CLAY: bed with plant material towards the base. A large rounded pebble is suspended, as well as a possible shell fragments at 5.85m.	M: ABN planktonics including CMN Globigerina falconensis, Globigerinoides trilobus and reworked Orbulina bilobata and G. decoraperta. CMN calcareous benthonics including Cibicides spp. and reworked Uvigerina rutila					
5.0				N			CLAY: bed with plant material towards the base. A large rounded pebble is suspended, as well as a possible shell fragments at 5.85m.	CLAY: Homogeneous silty. Local clasts.	M: SABN shell debris, ABN gastropods, CMN Ammonia beccarii, Elphidium spp., OCC Hoeglandina elegans, Orbulina universa and Buccella tenerima					
5.5								CLAY: Homogeneous silty. Local clasts.	P: Impoverished in palynomorphs, PRES of Asteraceae and fungal spores. N: PRES Pseudoemiliana lacunosa ovata, small Gephyrocapsa spp., G. oceanica, and Sphenolithus neobabies					
6.0	EARLY - MIDDLE PLEISTOCENE			M			CLAY: thin and massive.	CLAY: thin and massive.						
6.5								CLAY: thin and massive.						
7.0				N			CLAY: thin and massive.	CLAY: thin and massive.						
7.5								CLAY: thin and massive.						
8.0				M			CLAY: thin and massive.	CLAY: thin and massive.						
8.5								CLAY: thin and massive.						
9.0				N			CLAY: thin and massive.	CLAY: thin and massive.						
9.5								CLAY: thin and massive.						
10.0				EARLY PLOCENE - EARLY PLEISTOCENE, 'LATEST' ZANCLEAN - GELASIAN		MNN15 - MNN18	M			CLAY: thin and massive.	CLAY: thin and massive.			
10.5											CLAY: thin and massive.			
11.0	N							CLAY: thin and massive.	CLAY: thin and massive.					
11.5									CLAY: thin and massive.					
12.0	M							CLAY: thin and massive.	CLAY: thin and massive.					
12.5									CLAY: thin and massive.					
13.0	N							CLAY: thin and massive.	CLAY: thin and massive.					
13.5									CLAY: thin and massive.					
14.0	M							CLAY: thin and massive.	CLAY: thin and massive.					
14.5									CLAY: thin and massive.					
15.0	EARLY PLOCENE - EARLY PLEISTOCENE, 'LATEST' ZANCLEAN - GELASIAN			N				CLAY: thin and massive.	CLAY: thin and massive.					
15.5									CLAY: thin and massive.					
16.0				M				CLAY: thin and massive.	CLAY: thin and massive.					
16.5									CLAY: thin and massive.					
17.0				N				CLAY: thin and massive.	CLAY: thin and massive.					
17.5									CLAY: thin and massive.					
18.0				M				CLAY: thin and massive.	CLAY: thin and massive.					
18.5									CLAY: thin and massive.					
19.0				N				CLAY: thin and massive.	CLAY: thin and massive.					
19.5									CLAY: thin and massive.					
20.0	PLEISTOCENE? - ?PLOCENE		MNN15 - MNN18	M			CLAY: thin and massive.	CLAY: thin and massive.						
20.5								CLAY: thin and massive.						
21.0				N			CLAY: thin and massive.	CLAY: thin and massive.						
21.5								CLAY: thin and massive.						
22.0				M			CLAY: thin and massive.	CLAY: thin and massive.						
22.5	CLAY: thin and massive.													
23.0	PLEISTOCENE? - ?PLOCENE			MNN15 - MNN18	M			CLAY: thin and massive.	N: Highly impoverished, PRES Reticulofenestra producta					
23.5														
24.0														
24.5									M: RARE indeterminate calcareous benthonic foraminifera					