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WR38: Borehole record form

Borehole record form



British
Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL



Environment
Agency

Water Resources Act 1991 (as amended by the Water Act 2003)

A Site details

Borehole drilled for TWINYARD FARM
Location HUTHWAITE LANE, BLACKWELL, ALFRETON DE55 5HX
NGR (ten digits) SK 45391 58842 Please attach site plan
Ground level (if known) _____ metres Above Ordnance Datum
Drilling company M&D DRILLING COMPANY LTD
Date drilling commenced 15-9-2011 (DD/MM/YYYY) Completed 23-9-2011 (DD/MM/YYYY)

B Construction details

Borehole datum (if not ground level) GROUND LEVEL metres (m). Please tick if this is above ☐ or below ☐ ground level.
(point from which all measurements of depth are taken, for example, flange, edge of chamber)

Borehole drilled diameter
250 mm from 0 to 6.00 m/depth
150 mm from 6.00 to 60.00 m/depth
_____ mm from _____ to _____ m/depth
_____ mm from _____ to _____ m/depth

Casing material _____ diameter _____ mm from _____ to _____ m/depth
and type (for example, if plain steel, plastic slotted). Please record permanent casing details, not temporary casing.

Casing material STEEL diameter 150 mm from 0 to 6.00 m/depth

Casing material PLASTIC - PLAIN diameter 100 mm from 0 to 60.00 m/depth

Casing material SLOTTED diameter _____ mm from _____ to _____ m/depth

Grouting details ANNULUS GROUTED

Water struck at 1. 37.50 m (depth below datum - mbd) 2. _____ m (mbd)
3. _____ m (mbd) 4. _____ m (mbd)

C Test pumping summary (Please supply full details on form WR39)

Test pumping datum 0.2 m. Please tick if this is above ☒ or below ☐ ground level.
(if different from borehole datum)

Pump suction depth 45.0 mbd

Water level (start of test) 34.10 mbd

Water level (end of test) 34.61 mbd

Type of test (for example, bailer, step, constant rate)

CONSTANT

Pumping rate 3 m³/hour ☒ or litres/second ☐. Please tick as appropriate.
for 2 days, _____ hours, _____ mins

Recovery to 34.10 mbd in 0 days, 0 hours, 21 mins
(from end of pumping)

Date(s) of measurements Pump started 19/11/12 (DD/MM/YYYY)

Pump stopped 21/11/12 (DD/MM/YYYY)

Please supply chemical analysis if available. If you have included this please tick this box ☐

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D Strata log

Geological classification (BGS only)	Description of strata	Thickness m	Depth (to base of strata) m
	TOP SOIL	0-30	0-30
	SANDSTONE, BEDDING	6-50	6-30
	GREY MUDSTONE	0-60	7-40
	BLACK SHALE	0-30	7-70
	GREY MUDSTONE, SANDSTONE, BANDS	21-90	29-60
	SANDSTONE, MUDSTONE BANDS	7-90	37-50
	COAL	0-80	38-30
	SANDSTONE, POOR RETURNS	21-70	60-00
	(continue on separate page if necessary)		
	Other comments (for example, gas encountered, saline water intercepted)		

E Completing this form

How long did it take you to fill in this form? _____

For Official use only

Date received (DD/MM/YYYY)

File

Consent number

BGS reference number

Accession number

Wellmaster number

SOBI number

NGR

LIC NO

Purpose

EA reference number

Copy number

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