



SK47/88



British  
Geological  
Survey

## HYDROGEOLOGY RESEARCH GROUP

Form WR-38 (BGS)

### BOREHOLE RECORD

MR ELLIOT

4 - 5 - 2010

<b>A SITE DETAILS</b>	
Borehole drilled for	HILL TOP FARM, DUCKMANTON,
Location	CHESTARFIELD, S44 5HT
NGR (8 fig.)	SK46261 71104 <span style="float: right;">Please attach site plan</span>
Ground Level (if known)	
Drilling Company	M&D DRILLING CO LTD
Date of Drilling	Commenced 26 - 4 - 2010 Completed 4 - 5 - 2010
<b>B CONSTRUCTION DETAILS</b>	
Borehole Datum (if not ground level)	GROUND LEVEL above m below GL
(point from which all measurements of depth are taken e.g. flange, edge of chamber, etc.)	
Borehole drilled diameter	250 mm from 0 to 6.00 m/depth
	150 mm from 6.00 to 42.50 m/depth
	mm from to m/depth
Casing material STEEL diameter	150 mm from 0 to 6.00 m/depth
and type (e.g. if plain steel, plastic slotted)	
PLASTIC PLAIN diameter	100 mm from 0 to 42.50 m/depth
SLOTTED diameter	mm from to m/depth
diameter	mm from to m/depth
Grouting details	ANNULUS GROUTED
Water struck at	11.50 - 30.00 m (depth below datum - mbd)
	35.50 m (depth below datum - mbd)
Rest water level on completion	17.20 mbd
<b>C TEST PUMPING SUMMARY</b> (Please supply full details on Forms WR-39)	
Test Pumping Datum (if different from borehole datum)	GL m above below borehole datum (mbd)
Pump Suction depth	33 mbd
Water Level (Start of Test)	17.20 mbd
Water Level (End of Test)	19.61 mbd
Pumping rate	2 m <sup>3</sup> /HR m <sup>3</sup> /d
for	1 days/hours
Recovery to (from end of pumping)	17.20 mbd in 6 mins: hrs: days
Date(s) of measurements	10/5/10
Please supply chemical Analysis if available.	



D STRATA LOG			
Geological Classification	Description of strata	Thickness	Depth
(BGS only)		m	m
	TOP SOIL	0-40	0-40
	CLAY	2-20	2-60
	GREY MUDSTONE	13-10	15-70
	COAL	0-30	16-00
	GREY MUDSTONE	16-00	32-00
	SANDSTONE	1-50	33-50
	BLACK SHALE	1-50	35-00
	SANDSTONE, MUDSTONE BANDS	7-50	42-50
(continue on separate page if necessary)			
Other comments (e.g. gas encountered, saline water intercepted, etc.)			

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FILE .....	CONSENT NO. ....	NGS REF NO. ....
LIC NO. ....	PURPOSE .....	NRA REF NO. ....
DATE REC:	COPY TO:	ENTERED BY: