

**BOREHOLE RECORD**

**DRILCORP LTD**

NZ08/4

<b>A. SITE DETAILS</b>						<b>Borehole N°</b>	<b>1</b>
<b>Borehole drilled for</b>		Elizabeth Walton / Joseph Evans					
<b>Location</b>		Marlish Farm, Marlish, Morpeth, Northumberland, NE61 4ER					
<b>NGR (8fig)</b>		NZ 07927 84993			Site plan attached Yes/No		
<b>Ground level (if known)</b>							
<b>Date of drilling</b>		Commenced:			Completed:		
<b>B. CONSTRUCTION DETAILS</b>							
<b>Borehole datum</b>		<b>Ground level</b>			<b>m below/above ground level</b>		
Point from which all all measurements of depth are taken - eg flange, edge of chamber etc							
<b>Borehole drilled diameter</b>		311.14	mm from	G.L.	to	9.5	m/depth
		152.4	mm from	3.7M	to	80	m/depth
		196.8	mm from	3.7M	to	80	m/depth
<b>Casing material diameter and type</b> (eg plain steel, plastic, slotted)							
Steel	diameter	203.2	mm from	300 AGL	to	9.5	m/depth
PVC Casing	diameter	203.2	mm from	9.5	to	58.8	m/depth
PVC Screen	diameter	203.2	mm from	58.8	to	80	m/depth
<b>Grouting details</b>		Grout and Sulfate resisting cement.					
<b>Water struck at</b>							
		m (depth below datum - mbd)					
		m (depth below datum - mbd)					
<b>Rest water level on completion</b>		22.4	mbd				
<b>TEST PUMP SUMMARY</b>							
<b>Test pumping datum</b> (if different from borehole datum)					above		
					m below borehole datum (mbd)		
<b>Pump suction depth</b>					mbd		
<b>Water level (start of test)</b>					mbd		
<b>Water level (end of test)</b>					mbd		
<b>Pumping rate</b>					m <sup>3</sup> /h		
					for		
<b>Recovery to</b>					mbd	in	hrs
(from end of pumping)							
<b>Date(s) of measurements</b>							
<b>Chemical analysis available?</b>							

<b>Drilling Strata - 12046</b>			
<b>From (M)</b>	<b>To (M)</b>	<b>Strata</b>	<b>Strata thickness (M)</b>
0	3.65	Clay	3.65
3.65	9.3	Mudstone	5.65
9.3	9.45	Sandstone	0.15
9.45	12	Very Hard Mudstone	2.55
12	13	Sandstone	1
13	13.1	Coal	0.1
13.1	28.9	Sandstone w/ Mudstone Band	15.8
28.9	30.6	Sandstone	1.7
30.6	32.3	Sandstone	1.7
32.3	42.5	Mudstone	10.2
42.5	42.6	Coal	0.1
42.6	44.2	Mudstone	1.6
44.2	45.7	Sandstone	1.5
45.7	45.8	Coal	0.1
45.8	51.3	Limestone	5.5
51.3	60.8	Sandstone w/ Mudstone Band	9.5
60.8	62.8	Mudstone	2
62.8	70.9	Sandstone	8.1
70.9	80	Hard Sandstone	9.1