

ENVIRONMENT AGENCY

Form WR – 38	Ref: so127723 ddol farm, llanbister (lewis) log 1809	Agency No.
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BOREHOLE RECORD

A. SITE DETAILS

Borehole drilled for:	Mr Lewis			
Location:	Ddol Farm, Llanbister, Llandrindod Wells, Powys			
N.G.R.:	SO 127 723			
Ground Level (if known):	SURFACE			
Drilling Company:	W.B. & A.D. MORGAN LTD., PRESTEIGNE, POWYS. LD8 2UF			
Date of Drilling:	Commenced:	26/4/04	Completed:	28/4/04

B. CONSTRUCTION DETAILS

Borehole datum (if not ground level) <u>GROUNDLEVEL</u>	
(Point from which all measurements of depth are taken e.g. flange, edge of chamber, etc.)	
Borehole drilled diameter.....	280 mm from <u>0</u> to <u>18</u> m/depth
	250 mm from <u>18</u> to <u>50</u> m/depth
Casing material: u.P.V.C diameter and type (e.g. plain steel, plastic slotted)	165 mm from <u>0</u> to <u>47.5</u> m/depth
Plain diameter	<u>165</u> mm from <u>0</u> to <u>8.7</u> m/depth
Slotted diameter	<u>165</u> mm from <u>8.7</u> to <u>14.7</u> m/depth
Plain diameter	<u>165</u> mm from <u>14.7</u> to <u>26.7</u> m/depth
Slotted diameter	<u>165</u> mm from <u>26.7</u> to <u>32.7</u> m/depth
Plain diameter	<u>165</u> mm from <u>32.7</u> to <u>38.7</u> m/depth
Slotted diameter	<u>165</u> mm from <u>38.7</u> to <u>44.7</u> m/depth
Plain diameter	<u>165</u> mm from <u>44.7</u> to <u>47.5</u> m/depth
Grouting details:	Pour 7m to surface
Water struck at:	2m, 12m, 35 m (depth below datum – mbd)
Rest water level on completion:	1.3 m (depth below datum – mbd)
Estimated blowout yield:	4,000 Gallons per hour

C. STRATA LOG

Description of Strata		Thickness (m)	Depth (m)
Overburden		0.5	0.5
Brown clay/gravels		6.5	7
Medium grey clay		5	12
River gravels		2	14
Medium black shale		15	29
Medium hard black shale		21	50
Other Comments (e.g. gas encountered, saline water intercepted, etc.)			
Gravel Pack Quantity:	2,250kg	Temp Steel Casing: Depth and Diameter	18m x 274mm
Cement:	300kg		
Rig & Crew:	Halco V666, D. Morris, D. Bebbington		