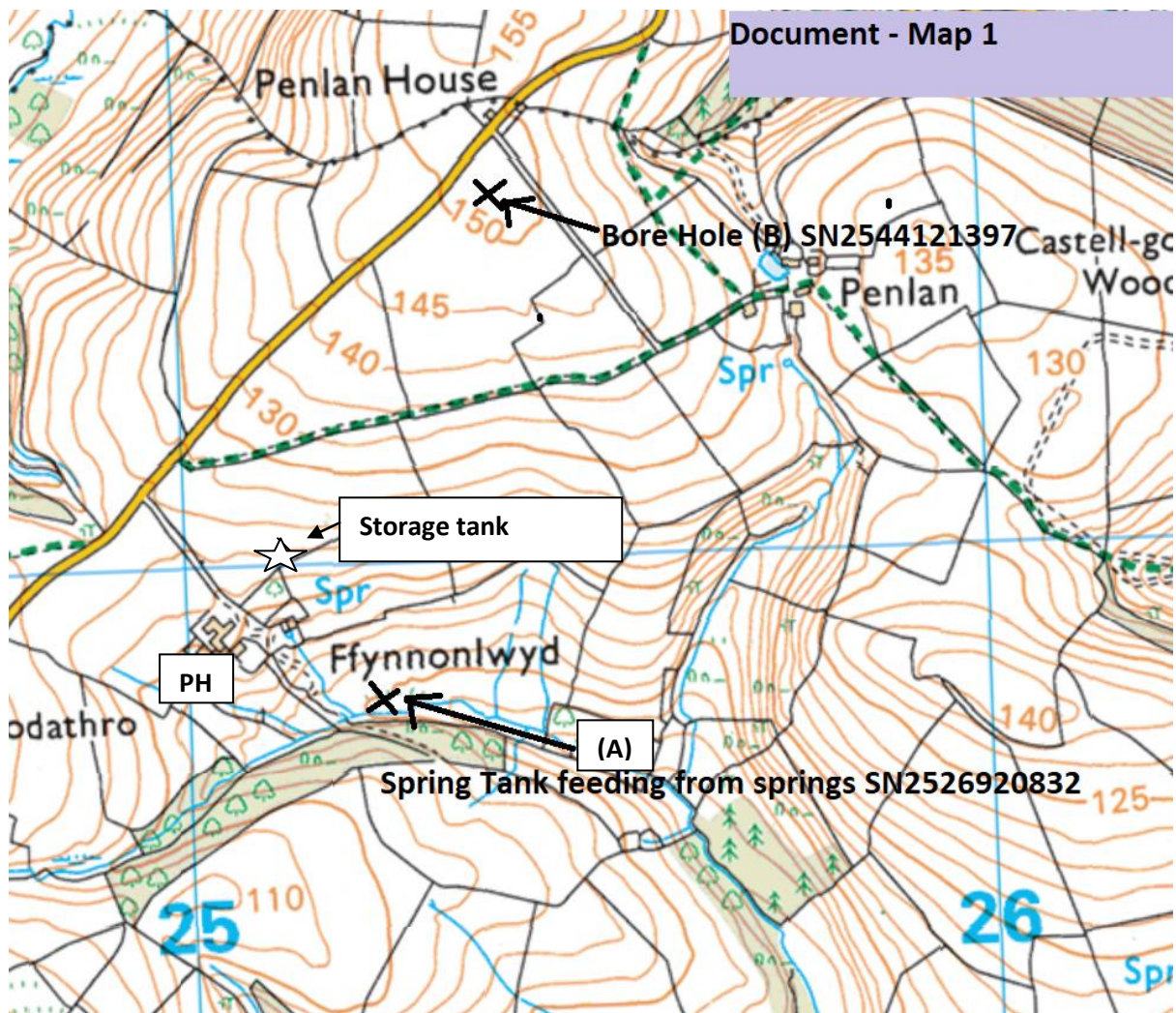


Doc-spring/bore hole layout-1



System operation.

(A) Spring supply

An underground storage tank is situated in the valley – see above marked 'x' where a number of underground springs are piped into the chamber. The water is then pumped using a submersible well pump to a storage tank shown above as a star. From here the water travels by gravity to a booster pump in the farm pump house shown PH. Underground tank – approx 2m x 2m x 2m.

(B) Bore Hole supply

The bore hole shown (B) is situated at the top of the farm and has a deep well pump B24 (1.1kw) installed and is used mostly during the drier summer spells when the springs become weaker. The bore hole feeds an existing 20,000 litre tank and is filled via a ball valve. Bore hole 145m deep.

Document map 2 - spring aerial



Doc - map 3 - borehole



Hydrology
Contract Name Teagan Allpump.
Contract No 11094
Date 20. 7. 17.
Sheet 1. of 1. Working Day 2

APEX DRILLING SERVICES
DAILY DRILLING LOG
Tel: 01556 749149
E-mail: admin@apex-drilling.com

Client All Pump.
Order No H.L.
Drill Crew G. Dineen R. Rice.
Rig Type Fraser XL no 1

Bore Hole	Top Depth	Base Depth	Thickness	Recovery	Strata Description	Drilling Time - Reason	INSTALLATION DETAILS
1.	120.00	150.00	30.00		Silty mudstone shale.		
	Flush. 34 clean. extra-drill Pans. install 125.00 MM open casing to 145.00 fms.				CR Lateral from 130.		
	20.00	145.00	125.00		Slotted casing with end cap.		
	0.00	20.00	20.00		Plain. casing.		
	4.00	145.00	141.00		Gravel.		
	0.00	4.00	4.00		Concrete Seal.		

QUANTITIES
Site Moves (No) Casing .m Core Boxes (No) Fixed Plant .m
Bore Moves (No) Open Hole .m Core Liner .m
Return Moves (No) W. Samples .m SPT/CPT (No) Standing Times .m
Security YES / NO Casing .m Installation .m Breakdown .m

Signed by Apex [Signature] Signed by Client _____ Date _____

Remarks
Diameter 20.00
Well Casing 125.00
Well Screen 141.00
Gravel Concrete 4.00
Gas Bldg 1-125 EC.
End Cap
Crown Type RAISED / FLUSH
Water Level 2.175

Blue - Client's Copy Yellow - All Copy White - One Copy

Doc – Drilling Log 2017



Farm booster



Bore hole tank/shed



Spring tank