

Borehole and Tank under the Children's Play Ground Gaskell Recreation Ground

This is intended as Background information in relation to the issue of the Borehole and large Tank found beneath the children's play area on the Gaskell Field.

It is of concern to the Town Council in that the Custodian Trustees are the members of the Town Council with the Gaskell Recreation Management Committee acting as management Trustees.

Some information is attached

British History on line records in Much Wenlock *"In 1900-01 The Borough Council provided the Town with mains water from a Borehole near the Railway Station via a Reservoir" "A second Borehole near the Gasworks was added in 1925"*

British Geological Survey retain the records for Boreholes

SJ60SW9 is the reference for the Gaskell Field Borehole. The indication is also headed Much Wenlock Corp with a depth given as 30.48 meters.

A copy of the records attached are included.

Mouchel Much Wenlock Integrated Drainage Management Plan indicates the Old Pumping Station Tank which apparently sits over the Borehole to be 12 feet by 28 feet.

The second Borehole is SO69NW19 with an indication of Priory Grounds Much Wenlock. Depth also 30.84 meters with a cross reference to the Gaskell Grounds Borehole.

Following Mr Pope Drainage Survey Report before Town Council 30th July 2015 in which he drew attention to this Borehole and Tank and raising questions in relation to the capping of the Borehole work has been undertaken to try to identify who is responsible for the maintenance and the safety of this borehole.

Enquiries have been made by the membership of the Gaskell Recreation Ground Management Committee who have met members of Severn Trent on a number of occasions and corresponded with various levels of staff of Severn Trent.

It was hoped that Severn Trent would accept responsibility and management of the borehole but in recent E mails Severn Trent indicate that is not the case and refer the matter to the Town Council. Severn Trent have also been in contact with Shropshire Council and again have been referred back to the Much Wenlock Town Council with Shropshire Council supplying a map to Severn Trent indicating the Pumping Station which stood on the site.

Something clearly needs to be done about this situation. We have children playing above this tank/borehole every day. It is almost a year since the situation was highlighted although it seems the situation has been known for some time before that.

Legal aspects of Legal Ownership and Responsibilities and Management will take some time to resolve without doubt and if Much Wenlock Town Council are indicated as the responsible body then any decision to undertake remedial work may well be at considerable financial cost to the Town Council. All that is not clear at present but it is a marker that we must be aware of with our present Devolved Services discussions.

It is proposed that we commission a survey of inspection of this Tank and Borehole on behalf of the Town Council from a Company who are Specialists in the provision of such Services. A Shropshire Company Wyatt of Whitchurch is such a Company and would appear to be a competent choice. As it is such a specialist field of work there appears little choice. An idea of a possible cost of a Survey will hopefully be available for the Meeting on the 2nd June, 2016.

Submitted for information of all members and for discussion on the 2nd June, 2016



Councillor Bert Harper

**Copy each Member of Town Council
Copy for David Gibbon Chair of Gaskell Recreation Management Committee.**

Subject: Fwd: Land ownership query

Date: Friday, 20 May 2016 at 11:52:25 British Summer Time

From: Trevor <trevorchilds@rocketmail.com>

To: Town Council <townclerk@muchwenlock-tc.gov.uk>, Gaskell Management <windmill45@btinternet.com>, Gaskell Management <graham.ev@btinternet.com>, Gaskell Management <plaming1@gmail.com>, Chris Bowden <chris.bowden@emerson.com>, Bert Harper <hharpermtc7@yahoo.co.uk>

Sent from my iPad

Begin forwarded message:

From: "Perry, Paul" <Paul.Perry@severntrent.co.uk>
Date: 20 May 2016 at 11:46:04 BST
To: "'trevorchilds@rocketmail.com'" <trevorchilds@rocketmail.com>
Subject: Land ownership query

Hello Trevor,

As discussed this morning to the best of our knowledge we cannot find any connection linking Severn Trent Water to this asset. As the council are the registered owners of the land I suggest you refer this issue to them, I will drop a mail to Shropshire Councils flooding and water department with the details of your concern.

Hopefully the council may have records which may be able to shed some light on what this asset actually is.

On the map below there is an abandoned Severn Trent covered reservoir which we discussed, as you can see the abandoned main runs past the playground in the road and up to the reservoir along the black line with crosses in the plan below but it doesn't appear to go near the chamber under the playground.

If I can be of any further help let me know.

Thanks

Paul





British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL



Geology of I

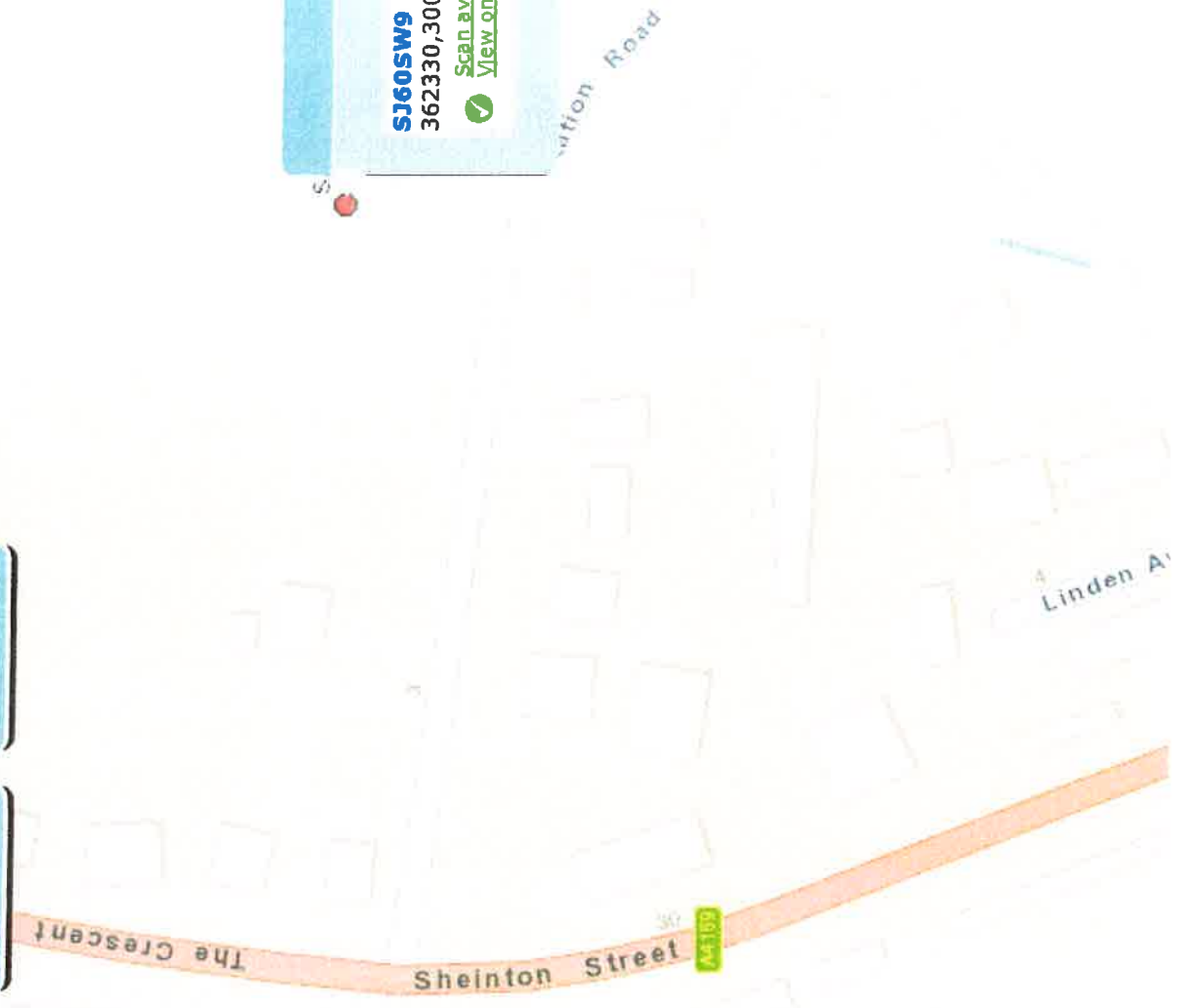
Borehole Scans

Click on a borehole to view scan.

Borehole depth

- 0 - 10m
- 10 - 30m
- 30m+
- Unknown
- Confidential or Restricted

[More on boreholes](#)



Borehole results

SJ60SW9 — MUCH WENLOCK CORP
362330,300390 Depth: 30.48m.

[Scan available](#)
[View online](#)

(B.L. 6066) W.L. 6066-6111-5,000 6751 62-100 O.A.

SECTION OF

Borehole $\$ \#$

SJ 603079
6233 0039

152

at Much Wenlock

Maps: One-inch 152 NS Six-inch 50 N-E/E County Salop

Height above O.D. * Latitude Longitude

Communicated by ^{names} Thos. Matthews, Ltd. ^{and by} A. T. Thomas Date of Sinking [June 1914]

Made by Much Wenlock Corporation Dip of Strata

Vertical section shows:

	Thickness		Depth from Surface	
	ft	in	ft	in
Prof. Mr. Mathews - Leds. Sides ? low ladder shale E. Wenlock limestone			30	
Boring began in Hard shale	38		65	
.. grey rock	32		100	

§ (Acc. to "Notes of Water Undertaking" 1914, p. 183) :-
The Wenlock Town Council (which has a Hannington, Sutton Malswade, & 1" 158) has
well & boring in Wenlock limestone, Much Wenlock; ^{the} "average daily quantity of water
available" from it is 12,000 gallons. There is a reservoir at Much Wenlock
90,000 gallons. Water is good; hardness 25°, no action on lead

* According to 6" map (1903 edn) the "Leds. Sides" ^{is} about 100 yds N.W. of
railway station, & at O.D. is > 500 < 550 sq 520

* According to T. Roberts (Somerset. Memoir. sig. hypocaust) Much Wenlock has in its water for
the boring, which is low ladder. There is a shaft about 100 yds N.W. of Much Wenlock
station, and the other in the Spring Grounds 450 yds E.S.E. of the church [6" probably shows it
as in middle of small circular clump of trees in mid field] "The pit / from which ... 12,000 g.p.d. ...
total hardness ... 25 degrees"

The Much Wenlock Corp. was written to in ^{May of date} ~~February~~ of 1935, but have not yet replied
(August 1935) - so we still don't know to which side the borehole should belong.

20.12.35, Mr. F. W. Long, Town Clerk, Wenlock Bury, writes us in reply to 19.12.35 that the
of Matthews as "despite the existing bore & near the Railway Station" (F.S. 11.6.156) he
also says that Wenlock ^{is} supplied wholly from the two low ladder, one near the
Railway Station and the other in the Spring Grounds [Leds. Sides]; and he refers to
wholly drilled Hannington supply - the Hannington Borehole Water Undertaking



Surface Geology

3D Models

Borehole Scans

Earthquake Timeline

Borehole Scans

Click on a borehole to view scan.

Borehole depth

- 0 - 10m
- 10 - 30m
- 30m+
- Unknown
- Confidential or Restricted

[More on boreholes](#)

SO69NW19

SJ60SW9

Borehole results

SO69NW19 – PRIORY GROUNDS MUCH WENLOCK (SEE ALSO SJ60/12)

362800,299900 Depth: 30.48m.

- ✔ [Scan available](#)
- [View online](#)



please see note below *

~~SO 6233 0039~~

(P11076) WA 6086-8111-2,400 6/26 Sp. 100. O.A.

SECTION OF Borehole \$# 152 at Much Wenlock 50628 5069/29

Maps: One-inch 152 NS Six-inch 50 N.E./E County Sutton

Height above O.D. * Latitude _____ Longitude _____

Communicated by Thos Matthews, Ltd 1917 Date of Sinking 1914

Made by Much Wenlock Corporation Dip of Strata _____

Vertical section shows: — 50628 999

	Thickness	Depth from Surface	
		ft	m
Pr. M. soft - blue. Sides		30	
? low ladder beds	38	68	
Wenlock limestone	32	100	

Pr. M. soft - blue. Sides
? low ladder beds
Wenlock limestone

Working down at
Hard white
grey rock

§ (Acc. to Report of the Understrata, 1917, p. 153) :-
The Wenlock Town Council (under the direction of the Mayor, Sutton, 1917) has
* well & boring in Wenlock limestone, Much Wenlock; average daily quantity of water available from it is 12,000 gallons. There is a reservoir at Much Wenlock 90,000 gallons. Water is good; hardness 25°, no calcium lead

* According to G. W. (1903 edn) the Cop is about 100 yards N.W. of the main station, at O.D. > 500 < 550 by 520

* According to T. Roberts (Summit. Monist. rep. 1917) Much Wenlock is in the order of 50628
* For boring, which the low ladder. It is about 100 yards N.W. of the main station, and the other is the Spring Gravel 450 yards E.S.E. of the main station [6 feet deep and is in the middle of the main station and is in the middle of the main station]. The fruit from the well is 12,000 gallons per day
total hardness is 25 degrees

The Much Wenlock Cop^o was written to in 1917, but has not yet appeared (August 1935) - is in the middle of the main station and is in the middle of the main station

20. xi. 35, Mr. F. W. Long, Town Clerk, Wenlock Bury, writes in reply to vii. 35 that the land of Matthews is adjacent to the existing well at the Railway Station (F.S. 11-64076) the also says that Wenlock is supplied daily from the low ladder beds, and the well at the Railway Station and the other is the Spring Gravel [is very good]; and he refers to the daily supply from the Spring Gravel at the Railway Station and the other is the Spring Gravel at the Railway Station

* This site is also registered on 5069/29 See sentences underlined in red.

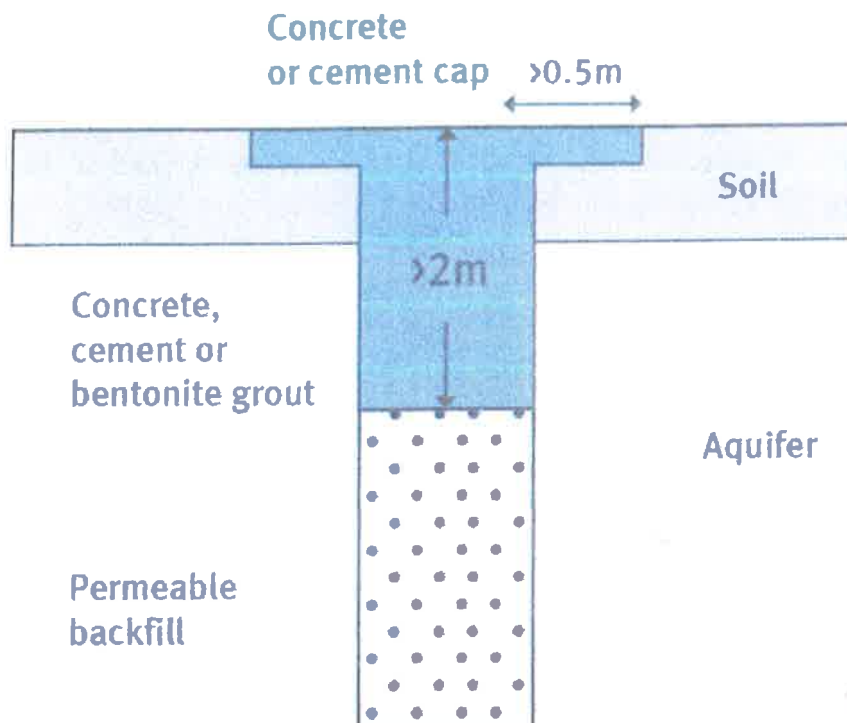


Figure 2: Schematic diagram for borehole seal and cap

Step 5 - Recording details and informing others

You should keep an accurate record of the abandonment details for future reference, including:

- The reasons for abandonment (for example water quality problems).
- Measurement of groundwater level prior to backfilling.
- The depth and position of each layer of backfilling and sealing materials.
- The type and quantity of backfilling and sealing materials used.
- Any changes made to the borehole/well during the abandonment (for example casing removal).
- Any problems encountered during the abandonment procedure.

The location of abandoned borehole and wells should be clearly marked on site records This is essential where any part of the well has not been filled.

It is also very good practice to mark or deeply inscribe well caps with the word "WELL". Even if done crudely it can avoid considerable risk, delay or uncertainty in the event of the structure being discovered during excavation by others in the future, who may not otherwise know what the feature is.

Always notify the Environment Agency and British Geological Survey of the abandoned well location and structure.

customer service line
03708 506 506

incident hotline
0800 80 70 60

floodline
0845 988 1188

Private Water Supply



No more water bills...

With the ever increasing costs of mains water supply, borehole wells are becoming more and more popular throughout the UK as an alternative clean, sustainable and cost effective source of water.

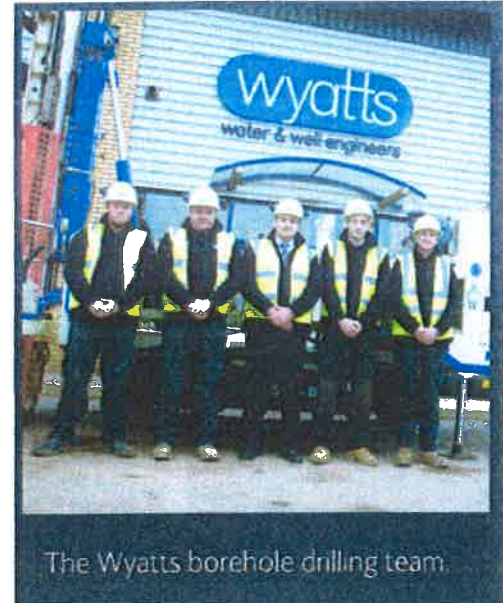
Extracting your own water is a lot easier than you might think. We have an in-house hydrogeological team who will look at the geology of your property and identify any areas that could yield water sustainably.

We are also lucky enough to have the records of every private water supply job we have completed since the company began in 1879 – an invaluable resource when a potential job is close by to an existing Wyatts borehole.

With 135 years of experience in well drilling, we have developed unique techniques of problem solving in all aspects of well installation. Our experience is combined with the newest technology in borehole design, surveying and testing.

The Wyatts fleet of rigs, operated by our highly experienced drill crews, allow drilling in all ranges of diameter and depths, enabling us to access any location including wet grounds, steep slopes and city centres. Owning a wide range of specialist tools and machinery ensures that all work is done to a high standard and to specific time schedules.

Unlike other drilling companies, Wyatts offer an in-house consultancy service, allowing us to scientifically back up our drilling works as well as complying with Environment Agency rules and regulations.



Case study - Dairy Farm, Cheshire

- We recently installed an abstraction borehole and permanent pumping equipment to supply 20m³ of water per day to a dairy farm of around 200 cattle.
- Client was paying £1.40 per cubic metre attaining to a spend of **£10,220 per annum**
- Borehole construction, test pumping and water analysis totalled: **£6,195**
- Permanent pumping equipment and installation thereof totalled: **£4,787**
- **Total cost of project: £10,982** – client sees full pay back of investment in just over a year.



The Water Experts
Est. 1879

Waymills Industrial Estate | Waymills | Whitchurch | Shropshire | SY13 1TT.

Telephone : **01948 662526** Fax : **01948 667560**

E-mail : info@wyattbros.com Web : www.wyattbros.com

So what is a borehole?

An agricultural or domestic borehole is usually about 100/200mm in diameter and is drilled to a depth of up to 200 metres. However, it may be considerably less as this is dependent on the depth of the water table at the site of the borehole.

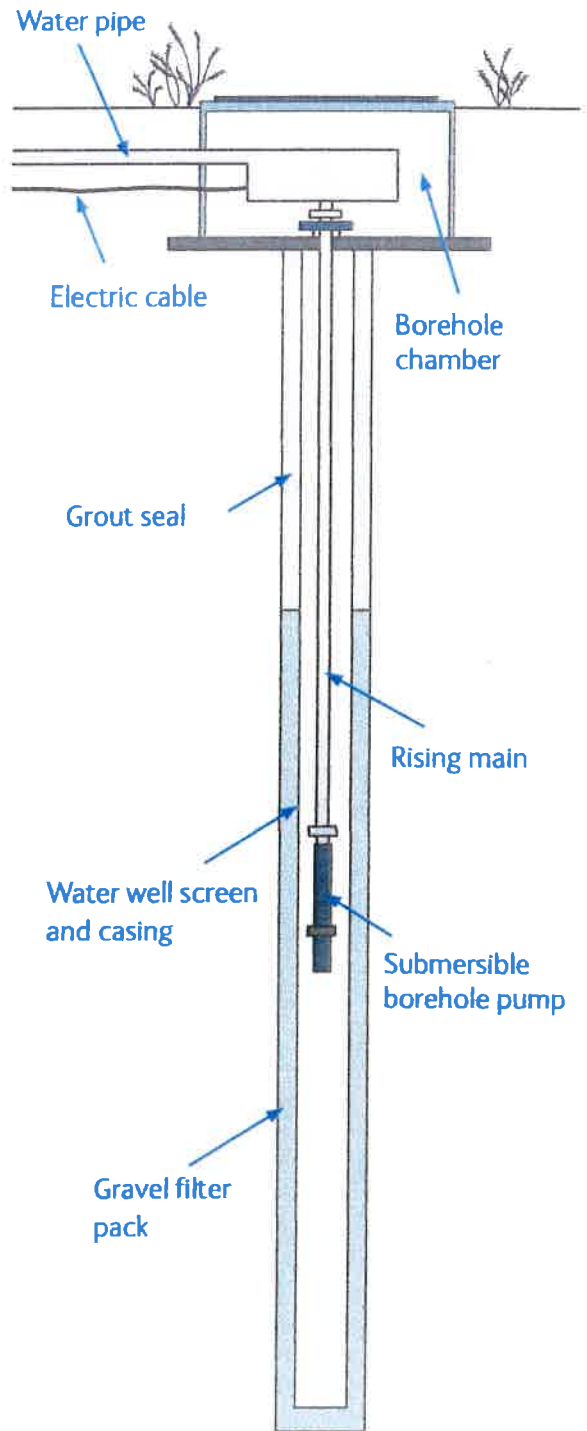
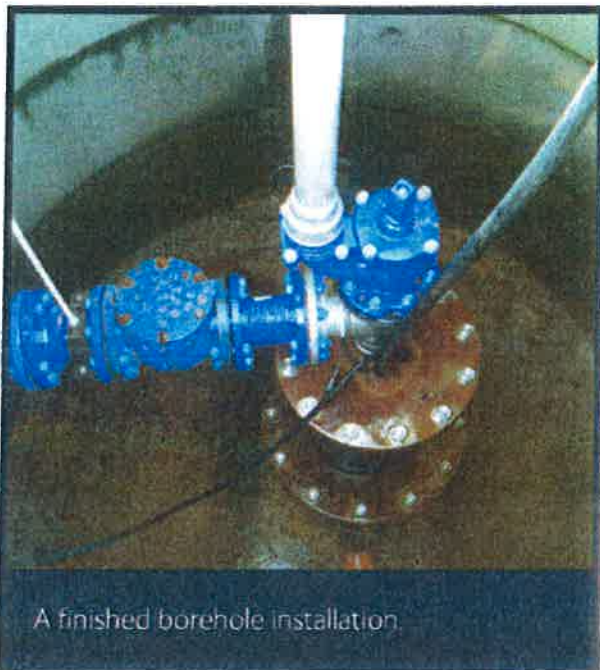
The well is lined with a solid casing – this stops the collapse of the borehole walls and prevents surface pollutants from contaminating the well.

The water found at the borehole is supplied by an 'aquifer' – a wet underground layer of water-bearing permeable rock or unconsolidated materials (gravel, sand or silt) from which groundwater can be extracted.

We will also look at any sources of potential contamination, groundwater flow direction, investigate the flooding history in your area and check on your water quality.

Once we have this information we are then able to design and construct the borehole that will produce your private water supply, and if needed, install any water treatment.

Anyone may draw up to 20,000 litres of water per day, without the need for any abstraction licence or permission. A family of four uses approximately 1,000 litres of water per day for the entire household's needs, so it is usually a business or a large farm that requires a licence for extracting a private water supply.



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