



# Water Well Records



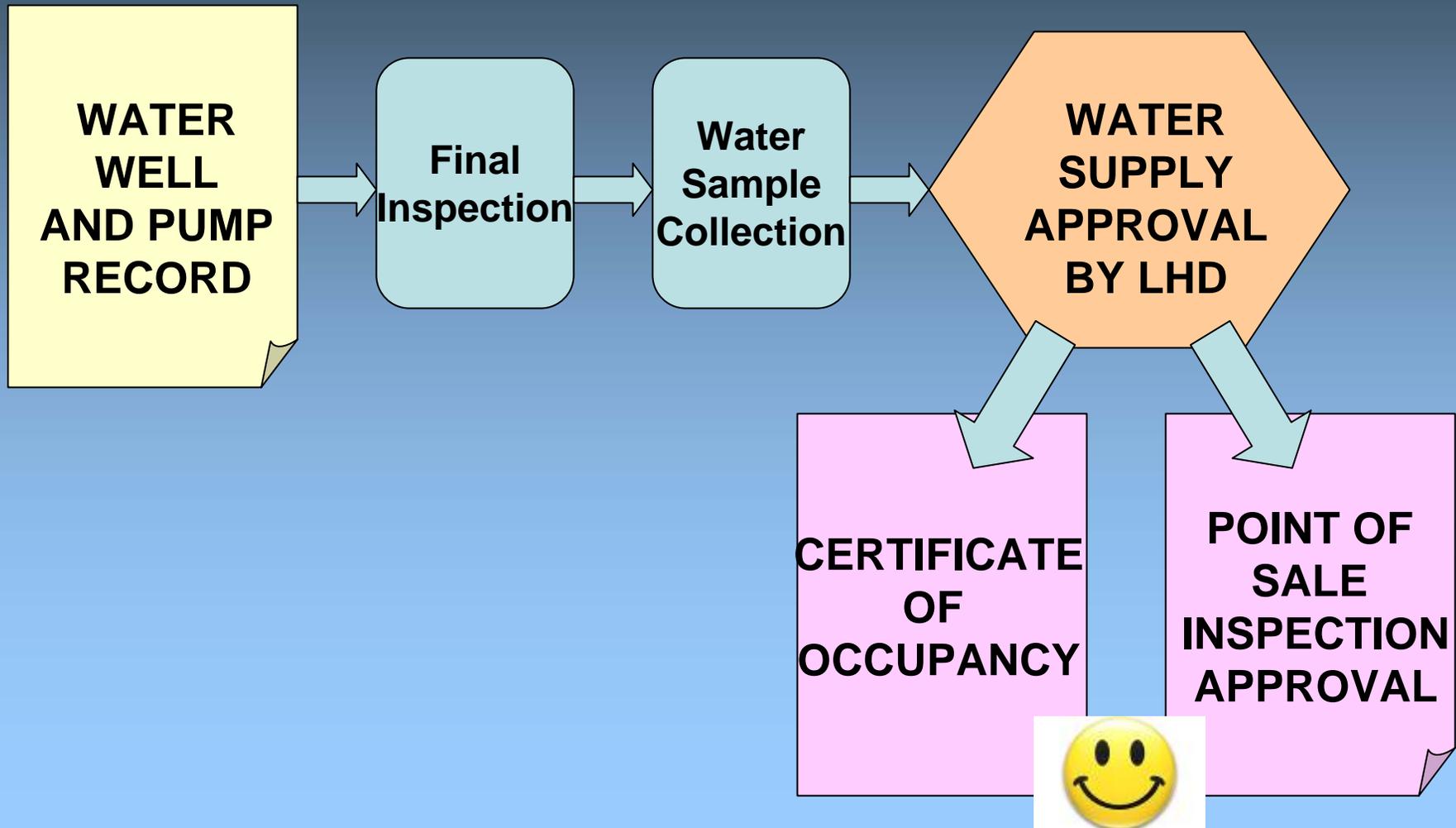
Environmental Health Programs Unit

# AGENDA



- ✓ **WATER WELL & PUMP RECORDS**
- ✓ **ABANDONED WELL RECORDS**

# *The Water Well & Pump Record is an important piece of paper....*



***Your Well Records  
will become even  
more important to  
you if you want to  
become registered  
in Michigan.***



**The DNRE has declined registration applications  
due to poor well records!**

# Rule 175 Well Records

## SUBMITTAL

- Within 60 days of date of completion
- Copies to: Well owner, LHD, DNRE
- Signed by: Registered Contractor



# Well Record Submittal

## DEQ Form EQP Welllogic 2017 (08/09)

Adobe Acrobat - [1232006134732.pdf]

File Edit Document Tools View Window Help

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**DEQ**

**WATER WELL AND PUMP RECORD**

Completion is required under authority of Part 127 Act 368 PA 1978.  
Failure to comply is a misdemeanor.

Well ID: 61000011384

Tax No: 6107-030-300-0005-60 Permit No: 8561 County: Muskegon Township: Dalton

**Well ID: 61000011384**

Elevation: Latitude: 43.31639 Longitude: -86.26676

Fraction: 3/4 Section: 30 Town/Range: 11N 16W French Claim: WSSN:

Distance and Direction from Road Intersection: west of Whitehall Rd south off Tyler Rd

Well Name: Well Owner: Kevin Wright Builder Well Address: 983 W. Tyler Rd Muskegon MI 49445 Owner Address: 1179 W. Tyler Muskegon MI 49445

Drilling Method: Auger/Bored Well Depth: 40.00 ft Well User: Heat pump Well Type: New Casing Type: PVC plastic Casing Joint: Solvent welded/globed Diameter: 5.00 in. to 34.00 ft depth Bore Diameter 1: 9.50 in. to 40.00 ft depth Bore Diameter 2: Bore Diameter 3: Height: 1.00 ft. above grade Casing Fitting: Drive shoe

Pump installed: Yes Pump installation only: No Pump Installation date: 19/2006 HP: 0.75 Manufacturer: Aermotor Pump Type: Submersible Model Number: T20752302 Length of Drop Pipe: 30.00 ft. Pump Capacity: 20.00 GPM Diameter of Drop Pipe: 1.25 in. Id of Well: Draw Down Seal Used: No

Pressure Tank installed: Yes Pressure Tank Type: Diaphragm/bladder Pressure Tank Manufacturer: Challenger Model Number: PC211 Tank Capacity: 62 Gallons Pressure Relief Valve installed: Yes

Formation Description	Thickness	Depth to Bottom
Sand Dry	3.00	3.00
Gray Sand Silty	12.00	15.00
Gray Sand Coarse	5.00	20.00
Red Sand Medium	12.00	32.00
Tan Sand Medium	8.00	40.00

Static Water Level: 3.00 ft. Below Grade(Not Flowing) Yield Test Method: Plunger Measurement Taken During Pump Test: 20.00 ft. after 1.00 hrs. pumping at 100.00 GPM

Abandoned Well Plugged: No Reason for not plugging Well: Abandoned well ID:

**DEQ** MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY WATER BUREAU

**WATER WELL AND PUMP RECORD**

Completion is required under authority of Part 127 Act 368 PA 1978.  
Failure to comply is a misdemeanor.

TAX NUMBER PERMIT NUMBER

LATITUDE LONGITUDE COUNTY TOWNSHIP

DISTANCE & DIRECTION FROM ROAD INTERSECTION WELL STREET ADDRESS, CITY/ZIP WSSN SOURCE ID WELL NO. SECTION TOWN NO. RANGE NO.

WELL OWNER ADDRESS CITY/ZIP

DRILLING METHOD  Rotary  Cable Tool  Hollow Rod  Jetted  Auger/Bored  Other  Rotary w/Casing Hammer  Cable Tool w/Casing Hammer

WELL DEPTH WELL USE  Heat Pump - Supply  Heat Pump - Return  Other  Household  Irrigation  Industrial  Other  Type I Public  Type II Public  Type III Public  Test Well

DATE COMPLETED WELL TYPE  New  Replacement  Dry Hole  Boring (uncased)

CASING Type  Plastic  Steel-Black  Steel-Galvanized  Other  Joint  Globed  Splice  Welded  Threaded

Diameter in. to ft. depth SDR in. to ft. depth SDR

Height Above Grade in. to ft. depth Fittings:  Drive Shoe  Shale Pack

BOREHOLE Diameter in. to ft. depth in. to ft. depth

STATIC WATER LEVEL ft. Below Grade  Flowing Flow Rate Before Control G.P.M.

WELL YIELD TEST Pumping Level ft. After hrs. Pumping at G.P.M.  Air  Bailor  Plunger  Test Pump

SCREEN  Not Installed  Filter-Packed  Diameter in. Slot Length ft. From ft. To ft. Slot Length ft. From ft. To ft.

INSTALLATION  Telescoped  Attached FITTINGS  Neoprene Pack  Brenner Check BLANK  above ft. Other

WELL GROUTED From ft. to ft.  Bentonite Slurry  Bentonite Dry Granular  Neat Cement  Neat Cement with Bentonite  Concrete No. of Bags Additives  Lost Circulation Material  Accelerator  Retarder METHOD  Grout pipe outside casing  Driven dry grout  Grout pipe inside casing  Displacement plug

WELLHEAD COMPLETION  Press Adapter  12 in. Above Grade  Basement Offset  Well House

NEAREST SOURCE OF POSSIBLE CONTAMINATION Type Distance ft. Direction Type Distance ft. Direction

ABANDONED WELL PLUGGED  Yes  No Latitude Longitude

Casing Diameter in. Depth ft.

PLUGGING MATERIAL  Cement/Bentonite Slurry  Neat Cement  Bentonite Slurry  Cement/Bentonite Grout  Bentonite Chips Number of Bags Casing Removed?  Yes  No

REMARKS

USE 2ND SHEET IF NECESSARY

DRILLING MACHINE OPERATOR  Employee  Subcontractor Name PUMP INSTALLER (if different from drilling machine operator) Name

WATER WELL CONTRACTOR'S CERTIFICATION This well/pump was constructed under my supervision and I hereby certify that the work complies with Part 127 Act 368 PA 1978 and the well code.

Registered Business Name Registration No. Address City/State/Zip Signature of Registered Contractor Date

ATTENTION WELL OWNER: FILE WITH DEED DRILLING CONTRACTOR COPY EQP-2017 (05/09)

# WATER WELL RECORD SUBMITTAL PROCESSES



1

Well record submitted electronically into Wellogic via Internet

LHD prints records from Wellogic and reviews them



2

Well record submitted on paper via the mail

LHD retrieves paper records from mail and reviews them

LHD mails DNRE copy to DNRE

LHDs send record back to contractor, who sends it back to LHD, who sends it back to DNRE

DNRE returns incomplete records to LHDs

DNRE reviews the well record for Wellogic entry

DNRE eventually enters the record into Wellogic

When you are completing a well record...



...think like a Sanitarian

# LOCATION INFORMATION

- Always provide the **distance & direction**.
- Providing the **permit number** helps to clear-up any confusion on the well location.



# LOCATION INFORMATION

➤ Lat/Long must be in **decimal degrees**, NOT degrees minutes.

• Lat = 42.12345    Long = 83.12345



*You can now check  
the accuracy of your  
latitude and longitude  
as you enter it into  
Wellogic!*

# WELL USE

- **Type I, Type II, Type III?**
- **Irrigation = crops or livestock or other farming purposes**
- **Use the guidance on the back of the well record form.**
- **If you don't know, call the LHD for clarification.**

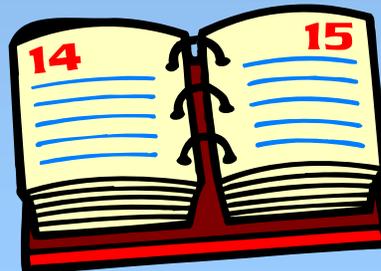


# DATE OF COMPLETION

Date when the **pumping equipment was installed.**

OR

Date the **well was drilled** if the pumping equipment won't be installed or will be installed by another contractor.



# DRILLING METHOD

- **Make sure the casing, borehole, grouting, screen, etc. all add up and make sense.**
- **Use the remarks to explain anything out of the ordinary: temporary casing, secondary casing, etc.**



# STATIC WATER LEVEL = FLOW

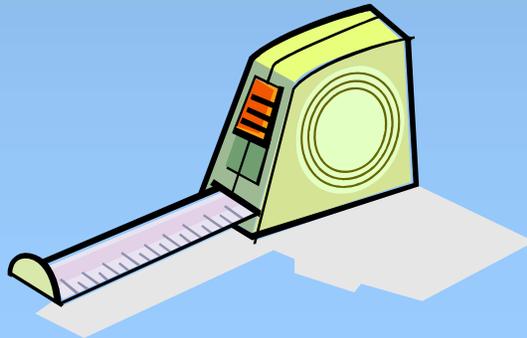
➤ **Flowing well = use the remarks to explain:**

- **flow control method**
- **GPM flow**
- **flowing well deviation**



# PUMPING WATER LEVEL

- PWL = distance from ground surface to the water surface in the well when it is being pumped.
- The DEQ recommends that the PWL field be left blank unless an accurate PWL is obtained (test pump).
- The time and GPM are always required.



# GROUTING

- Do not enter brand names of grout. Simply choose “bentonite slurry” or “bentonite dry granular” as appropriate.
- “EZ Mud” is not an additive.
- Enter the actual amount of grout used, NOT what the chart says.
- Did not grout entire length? – use the remarks to explain.



# PUMP

➤ Installed a used pump, you still have to enter all of the pump information.



# SOURCES OF CONTAMINATION

- If there are no sources, it should be reported as “none”.
- **DO NOT** list a distance as “50+”.



# ABANDONED WELL PLUGGING RECORD

➤ If plugging a dry hole, enter the plugging information in the plugging section, not the grouting section.

➤ Don't submit a separate abandoned well plugging record when the plugging information is already entered on the replacement drilling record = duplicates in Wellogic.



# ABANDONED WELL/PLUGGING RECORD

**OLD WELL  
NOT PLUGGED?**

**NO OBSTRUCTION  
REMOVAL?**

**WELL DEPTH  
UNKNOWN?**

**EXPLAIN IN THE REMARKS**



# DRILLING MACHINE OPERATOR, PUMP INSTALLER, REGISTERED CONTRACTOR

➤ Only the **Registered Contractor** can sign the well record & the name and registration number need to match.



# REMARKS

Use the remarks box to explain anything that needs to be explained.

- **Flowing well control**
- **Deviation issued**
- **Temporary casing**
- **Water quality or quantity issues**
- **Any construction out of the ordinary**

# USE THE REMARKS

**Deviations  
Issued**

**Water  
Quality/Quantity  
Problems**

**Flowing  
Well Control**

**Temporary  
Casing**

**Un-Grouted  
Casing**

**Abandoned Well  
Not Plugged**

**Proactive communication with the LHD  
will save you headaches in the long run.**



***Double-check  
your water well  
records for  
accuracy and  
completeness  
before you send  
them to the LHD!***

***Or they will get sent  
back to you. ☹️***

Wellogic data entry @ the DEQ is done by a college student.



**He knows nothing about well drilling.**

# ***Submitting Known False Data on Water Well Records is a felony:***

**UTTERING:**

Present a forged document

**PUBLISHING:**

Create a forged document



# PLEASE TAKE WELL RECORDS SERIOUSLY



**Well record  
violations can  
come back to  
haunt you!**

**\$250/record**

**Plus \$1,000 for  
violating an order  
OR falsifying a  
well record**

**If you have time to  
send your customer  
their bill, you have  
time to send them  
their well record.**

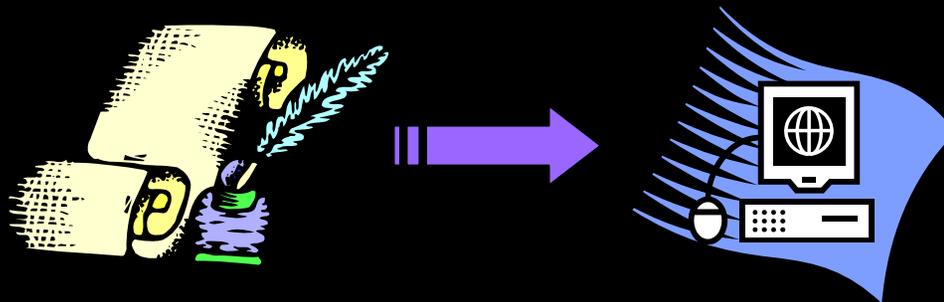


**Nonpayment for the well  
is NOT a valid excuse  
for not submitting  
the well record!**



**In 2000**, electronic submittal of well records was the way of the future.

**In 2011**, electronic submittal of well records is the standard.



**Log In**

User ID:

Password:

**Log In**

[Request an Account](#)  
[Forgot User ID](#)  
[Forgot Password](#)

- Links**
- [DNRE Water Well Viewer](#)
  - [DNRE Well Construction Unit](#)
  - [Download Wellogic Data](#)
  - [Get Adobe Reader](#)
  - [Get Firefox 3.6](#)
  - [Get Internet Explorer 8.0](#)
  - [Map Michigan](#)
  - [DNRE Scanned Well Records \(pre-2000\)](#)

- Documents**
- [Flowing Wells Handbook](#)
  - [Wellogic 2.0 Start Up Guide](#)
  - [Troubleshooting Guide](#)
  - [Wellogic FAQ](#)

- User Manuals & Training**
- [Contractor User Manual](#)
  - [LHD/SOM User Manual](#)

- XML Documentation**
- [XML Upload User Guide](#)
  - [XML Upload Schemas](#)

**Welcome**

Welcome to the new version of Wellogic! You no longer need to log-in to Wellogic to search for well records (see below). If you want to add or modify data, run reports, or update your profile, you will need to log-in using the log-in area to the left. If you don't yet have a user ID and password, please "Request an Account." **Please note that Wellogic runs best in Internet Explorer 8, Google Chrome, or Firefox 3.6.** Please email the Wellogic Help ([wellogic@michigan.gov](mailto:wellogic@michigan.gov)) if you have any questions.

**Search Water Wells**

**Basic Information**

Search Type:

Well ID:

Permit No:  Import ID:

**Well Address**

Street Address:

For best match, enter street name only

**Well Owner**

Owner Name:

For best match, enter last name only

**Database**

Created Between:  and

Created By User ID:

Created By Group:

**Well Location**

County:

Township:

Town/Range:  Section: [Click Here](#)

**Contractor**

Registration Number:

**Well Details**

Well Type:  Well Use:

Constructed Between:  and

Well Depth (ft.):  and

Source ID/Well No:  WSSN:

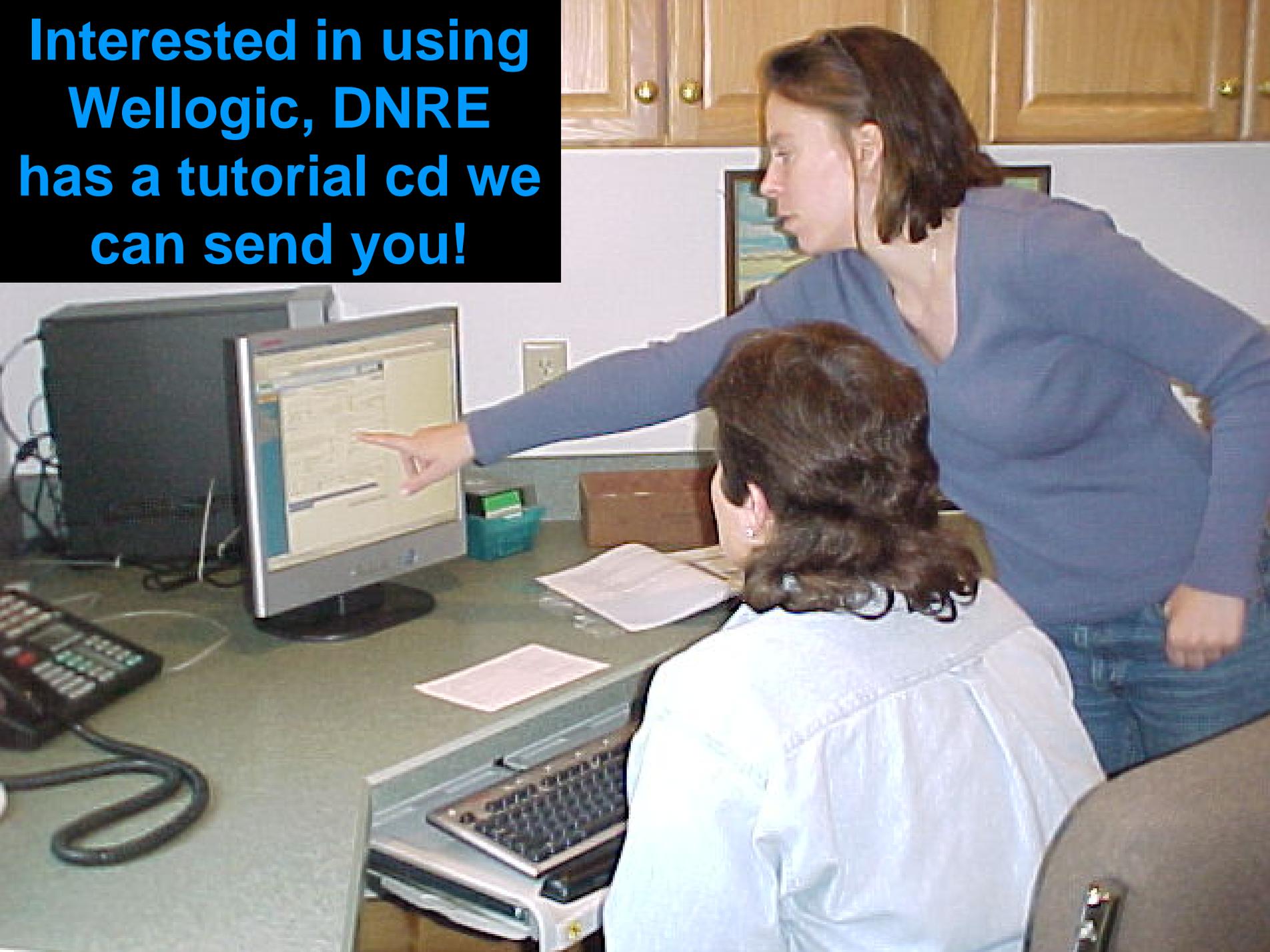
Pump Capacity (GPM):  and

Plugged Between:  and

**Search** **Reset**

**Wellogic 2.0 is here!!**

**Interested in using  
Wellogic, DNRE  
has a tutorial cd we  
can send you!**

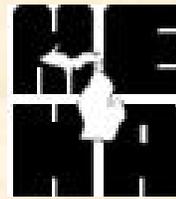


# Contact the Wellogic Help to:

- Request an account
- Request changes to records
- Ask anything well record related

- Email the Wellogic Help:  
[wellogic@michigan.gov](mailto:wellogic@michigan.gov)
- Call Anita @  
517-241-1412 or  
Ronda @ 517-241-1380.





**Your water well record data is important to many people!**



# In summary....



- 1. Double-check well records for accuracy and completeness before submittal!**
- 2. Submit your well records on time!**
- 3. Use the remarks to explain, explain, explain!**
- 4. Take well records seriously!**
- 5. Make it easier on yourself and submit your records electronically via Wellogic!**