

WELL LOG AND DRILLING REPORT

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2045479

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																			
County <u>SCIOTO</u> Township <u>GREEN</u>	Drilling Method: <u>BUCKET AUGER</u>																																			
Owner/Builder <u>SCIOTO WATER, INC.</u>	BOREHOLE/CASING (Measured from ground surface)																																			
<u>NORTHWOOD AVE</u> Address of Well Location	1 { Borehole Diameter <u>30</u> inches Depth <u>55</u> ft. Casing Diameter <u>16</u> in. Length <u>45</u> ft. Thickness <u>0.375</u> in.																																			
City <u>FRANKLIN FURNACE</u> Zip Code +4 <u>45629</u>	2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in.																																			
Permit No. _____ Section; _____ and/or Lot No. _____	Casing Height Above Ground <u>1.5</u> ft.																																			
Use of Well <u>MUNICIPAL</u>	Type { 1: <u>Steel</u> 2: _____																																			
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 1: <u>Welded</u> 2: _____																																			
<u>State Plane Coordinates</u>	SCREEN																																			
<u>N</u> ☐ <u>X</u> _____ +/- _____ ft.	Diameter <u>16</u> in. Slot Size <u>0.07</u> in. Screen Length <u>10</u> ft.																																			
<u>S</u> ☐ <u>Y</u> _____ +/- _____ ft.	Type <u>CONTINUOUS WIRE WOUND</u> Material <u>STAINLESS STEEL</u>																																			
<u>Latitude, Longitude Coordinates</u>	Set Between <u>45</u> ft. and <u>55</u> ft.																																			
Latitude: <u>38.626556</u> Longitude: <u>-82.853056</u>	GRAVEL PACK (Filter Pack)																																			
Elevation of Well in feet: <u>530.9</u> +/- _____ ft.	Material/Size <u>CEI #4</u> Vol/Wt. Used <u>7.5 tons</u>																																			
Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source <u>GPS</u>	Method of Installation <u>Tremie</u>																																			
Source of Coordinates: <u>GPS</u>	Depth: Placed From: <u>25</u> ft. To: <u>55</u> ft.																																			
Well location written description: <u>WELL #4 - WELLFIELD OF FOUR WELLS LOCATED ON NORTH SIDE OF NORTHWOOD AVE., APPROXIMATELY 2500 FT. WEST OF US RT. 52.</u>	GROUT																																			
	Material <u>Neat cement w/additives</u> Vol/Wt. Used <u>2.6 yds.</u>																																			
	Method of Installation <u>Poured (gravity)</u>																																			
	Depth: Placed From: <u>0</u> ft. To: <u>25</u> ft.																																			
Comments on water quality/quantity and well construction: <u>TOP OF CASING APPROXIMATELY 1.5 FT. ABOVE GRADE.</u>	DRILLING LOG*																																			
	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.																																			
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Color</th><th>Texture</th><th>Formation</th><th>From</th><th>To</th></tr> </thead> <tbody> <tr> <td></td><td></td><td>SOIL</td><td>0</td><td>3</td></tr> <tr> <td>GRAY</td><td>DRY</td><td>CLAY</td><td>3</td><td>15</td></tr> <tr> <td>GRAY</td><td>MOIST</td><td>CLAY</td><td>15</td><td>33</td></tr> <tr> <td>RED</td><td></td><td>FINE TO COARSE SAND</td><td>33</td><td>35</td></tr> <tr> <td>GRAY</td><td></td><td>FINE TO COARSE SAND AND GRAVEL</td><td>35</td><td>56</td></tr> <tr> <td></td><td></td><td>Water Encountered At</td><td>15.2</td><td>55</td></tr> </tbody> </table>	Color	Texture	Formation	From	To			SOIL	0	3	GRAY	DRY	CLAY	3	15	GRAY	MOIST	CLAY	15	33	RED		FINE TO COARSE SAND	33	35	GRAY		FINE TO COARSE SAND AND GRAVEL	35	56			Water Encountered At	15.2	55
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WELL TEST *																																				
Pre-Pumping Static Level <u>15.2</u> ft. Date <u>10/28/2013</u>																																				
Measured from <u>TOP OF CASING</u>																																				
Pumping test method <u>PUMPING</u>																																				
Test Rate <u>420</u> gpm Duration of Test <u>24</u> hrs.																																				
Feet of Drawdown <u>21.1</u> ft. Sustainable Yield <u>275</u> gpm																																				
*(Attach a copy of the pumping test record, per section 1521.05, ORC)																																				
Is Copy Attached? ☒ Yes ☐ No Flowing Well? ☐ Yes ☒ No																																				
PUMP/PITLESS																																				
Type of pump _____ Capacity _____ gpm																																				
Pump set at _____ ft. Pitless Type _____																																				
Pump installed by _____																																				
I hereby certify the information given is accurate and correct to the best of my knowledge.																																				
Drilling Firm <u>LAYNE CHRISTENSEN COMPANY, INC.</u>																																				
Address <u>6451 GERMANTOWN RD</u>																																				
City, State, Zip <u>MIDDLETOWN OH 45042</u>																																				
Signed <u>RONALD E ALEXANDER</u> Date <u>11/13/2013</u>																																				
(Filed Electronically)																																				
ODH Registration Number <u>002289</u>	Aquifer Type (Formation producing the most water.) <u>SAND & GRAVEL</u>																																			
	Date of Well Completion <u>10/29/2013</u> Total Depth of Well <u>55</u> ft.																																			

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Department.