

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

2039399

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																											
County <u>MUSKINGUM</u> Township <u>CASS</u>	Drilling Method: <u>AIR ROTARY</u>																																																																											
Owner/Builder <u>JASON SEWARD</u>	BOREHOLE/CASING (Measured from ground surface)																																																																											
Address of Well Location <u>3900 RED BUD RD</u>	1 { Borehole Diameter <u>10</u> inches Depth <u>28</u> ft. Casing Diameter <u>6</u> in. Length <u>30</u> ft. Thickness <u>0.316</u> in.																																																																											
City <u>DRESDEN</u> Zip Code +4 <u>43821</u>	2 { Borehole Diameter <u>6</u> inches Depth <u>230</u> ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in.																																																																											
Permit No. <u>509646</u> Section; _____ and/or Lot No. <u>1</u>	Casing Height Above Ground <u>2</u> ft.																																																																											
Use of Well <u>DOMESTIC</u>	Type { 1: <u>PVC</u> 2: _____																																																																											
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 1: <u>Solvent</u> 2: _____																																																																											
State Plane Coordinates	SCREEN																																																																											
N ☐ X _____ +/- _____ ft.	Diameter _____ in. Slot Size _____ in. Screen Length _____ ft.																																																																											
S ☐ Y _____ +/- _____ ft.	Type _____ Material _____																																																																											
Latitude, Longitude Coordinates	Set Between _____ ft. and _____ ft.																																																																											
Latitude: <u>40.121389</u> Longitude: <u>-82.035278</u>	GRAVEL PACK (Filter Pack)																																																																											
Elevation of Well in feet: <u>980</u> +/- <u>30</u> ft.	Material/Size _____ Vol/Wt. Used _____																																																																											
Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source <u>GPS</u>	Method of Installation _____																																																																											
Source of Coordinates: <u>GPS</u>	Depth: Placed From: _____ ft. To: _____ ft.																																																																											
Well location written description:	GROUT																																																																											
	Material <u>Bentonite/polymer slurry</u> Vol/Wt. Used <u>80 gallons</u>																																																																											
	Method of Installation <u>Pumped w/Tremie pipe</u>																																																																											
	Depth: Placed From: <u>28</u> ft. To: <u>0</u> ft.																																																																											
Comments on water quality/quantity and well construction: <u>THIS WELL PRODUCES 22 GALLONS PER HOUR</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>BROWN</td><td></td><td>CLAY</td><td>0</td><td>7</td></tr> <tr><td>BROWN</td><td></td><td>SHALE</td><td>7</td><td>26</td></tr> <tr><td>GRAY</td><td></td><td>SHALE</td><td>26</td><td>32</td></tr> <tr><td>BROWN</td><td></td><td>SHALE</td><td>32</td><td>34</td></tr> <tr><td>GRAY</td><td></td><td>SHALE</td><td>34</td><td>52</td></tr> <tr><td>GRAY-WHITE</td><td></td><td>LIMESTONE</td><td>52</td><td>61</td></tr> <tr><td>GRAY</td><td></td><td>SHALE</td><td>61</td><td>97</td></tr> <tr><td>GRAY-WHITE</td><td></td><td>LIMESTONE</td><td>97</td><td>102</td></tr> <tr><td>GRAY</td><td></td><td>SHALE</td><td>102</td><td>124</td></tr> <tr><td>GRAY-WHITE</td><td></td><td>LIMESTONE</td><td>124</td><td>131</td></tr> <tr><td>GRAY</td><td></td><td>SHALE</td><td>131</td><td>176</td></tr> <tr><td>GRAY</td><td></td><td>SANDSTONE</td><td>176</td><td>215</td></tr> <tr><td>GRAY</td><td></td><td>SHALE</td><td>215</td><td>230</td></tr> <tr><td></td><td></td><td>Water Encountered At</td><td>179</td><td>180</td></tr> </tbody> </table>	Color	Texture	Formation	From	To	BROWN		CLAY	0	7	BROWN		SHALE	7	26	GRAY		SHALE	26	32	BROWN		SHALE	32	34	GRAY		SHALE	34	52	GRAY-WHITE		LIMESTONE	52	61	GRAY		SHALE	61	97	GRAY-WHITE		LIMESTONE	97	102	GRAY		SHALE	102	124	GRAY-WHITE		LIMESTONE	124	131	GRAY		SHALE	131	176	GRAY		SANDSTONE	176	215	GRAY		SHALE	215	230			Water Encountered At	179	180
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WELL TEST *																																																																												
Pre-Pumping Static Level <u>152</u> ft. Date <u>8/22/2012</u>																																																																												
Measured from <u>GROUND LEVEL</u>																																																																												
Pumping test method <u>AIR</u>																																																																												
Test Rate <u>1</u> gpm Duration of Test <u>15</u> hrs.																																																																												
Feet of Drawdown <u>75</u> ft. Sustainable Yield <u>1</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>SARBAUGH DRILLING</u>																																																																												
Address <u>PO BOX 304</u>																																																																												
City, State, Zip <u>ADAMSVILLE OH 43802</u>																																																																												
Signed <u>KELLY SARBAUGH</u> Date <u>9/1/2012</u>																																																																												
(Filed Electronically)																																																																												
ODH Registration Number <u>1501</u>	Aquifer Type (Formation producing the most water.) <u>SANDSTONE</u>																																																																											
	Date of Well Completion <u>8/22/2012</u> Total Depth of Well <u>230</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.