

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

2034136

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																												
County <u>HANCOCK</u> Township <u>LIBERTY</u>	Drilling Method: <u>MUD ROTARY</u>																																																												
Owner/Builder <u>TIM PUTHOFF</u>	BOREHOLE/CASING (Measured from ground surface)																																																												
Address of Well Location <u>8615 TR 94</u>	1 { Borehole Diameter <u>9.5</u> inches Depth <u>58.5</u> ft. Casing Diameter <u>6</u> in. Length <u>60</u> ft. Thickness <u>0.316</u> in.																																																												
City <u>FINDLAY</u> Zip Code +4 <u>45840</u>	2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in.																																																												
Permit No. <u>105-11</u> Section; _____ and/or Lot No. _____	Casing Height Above Ground <u>1.5</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>41.064695</u> Longitude: <u>-83.715466</u>	GRAVEL PACK (Filter Pack)																																																												
Elevation of Well in feet: <u>780</u> +/- <u>50</u> ft.	Material/Size _____ Vol/Wt. Used _____																																																												
Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source <u>DIGITAL MAP</u>	Method of Installation _____																																																												
Source of Coordinates: <u>DIGITAL MAP</u>	Depth: Placed From: _____ ft. To: _____ ft.																																																												
Well location written description:	GROUT																																																												
	Material <u>Bentonite/polymer slurry</u> Vol/Wt. Used <u>144/300lbs</u>																																																												
	Method of Installation <u>Pumped w/Tremie pipe</u>																																																												
	Depth: Placed From: <u>58</u> ft. To: <u>0</u> ft.																																																												
Comments on water quality/quantity and well construction: <u>CLEAR, NO SULFUR, NO OIL</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>SOFT</td><td>CLAY</td><td>0</td><td>10</td></tr> <tr><td>GRAY</td><td>SOFT</td><td>SAND AND CLAY</td><td>10</td><td>32</td></tr> <tr><td>GRAY</td><td>HARD</td><td>SAND AND CLAY</td><td>32</td><td>48</td></tr> <tr><td>GRAY</td><td>SOFT</td><td>SAND AND CLAY</td><td>48</td><td>55</td></tr> <tr><td>GRAY</td><td>BROKEN</td><td>LIMESTONE</td><td>55</td><td>56</td></tr> <tr><td>GRAY-BROWN</td><td>HARD</td><td>LIMESTONE</td><td>56</td><td>58.5</td></tr> <tr><td>GRAY</td><td>SOFT</td><td>LIMESTONE</td><td>58.5</td><td>64</td></tr> <tr><td>GRAY</td><td>SOFT</td><td>LIMESTONE</td><td>64</td><td>65</td></tr> <tr><td>DARK GRAY</td><td>HARD</td><td>LIMESTONE</td><td>65</td><td>70</td></tr> <tr><td>DARK GRAY</td><td>SOFT</td><td>LIMESTONE</td><td>70</td><td>73</td></tr> <tr><td></td><td></td><td>Water Encountered At</td><td>71</td><td>72</td></tr> </tbody> </table>	Color	Texture	Formation	From	To	BROWN	SOFT	CLAY	0	10	GRAY	SOFT	SAND AND CLAY	10	32	GRAY	HARD	SAND AND CLAY	32	48	GRAY	SOFT	SAND AND CLAY	48	55	GRAY	BROKEN	LIMESTONE	55	56	GRAY-BROWN	HARD	LIMESTONE	56	58.5	GRAY	SOFT	LIMESTONE	58.5	64	GRAY	SOFT	LIMESTONE	64	65	DARK GRAY	HARD	LIMESTONE	65	70	DARK GRAY	SOFT	LIMESTONE	70	73			Water Encountered At	71	72
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WELL TEST *																																																													
Pre-Pumping Static Level <u>43</u> ft. Date <u>8/20/2011</u>																																																													
Measured from <u>TOP OF CASING</u>																																																													
Pumping test method <u>AIR</u>																																																													
Test Rate <u>4</u> gpm Duration of Test <u>1.5</u> hrs.																																																													
Feet of Drawdown <u>30</u> ft. Sustainable Yield <u>4</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>BOES WELL DRILLING LLC</u>																																																													
Address <u>2735 TR 155</u>																																																													
City, State, Zip <u>TIFFIN OH 44883</u>																																																													
Signed <u>JERRY BOES</u> Date <u>8/25/2011</u>																																																													
(Filed Electronically)																																																													
ODH Registration Number <u>03000</u>	Aquifer Type (Formation producing the most water.) <u>LIMESTONE</u>																																																												
	Date of Well Completion <u>8/20/2011</u> Total Depth of Well <u>73</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.