

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

2030661

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																								
County <u>LUCAS</u> Township <u>SWANTON</u>	Drilling Method: <u>CABLE TOOL</u>																																								
Owner/Builder <u>DAN BOLTZ</u>	BOREHOLE/CASING (Measured from ground surface)																																								
Address of Well Location <u>2231 S FULTON LUCAS RD</u>	1 { Borehole Diameter <u>4.758</u> inches Depth <u>61</u> ft. Casing Diameter <u>5</u> in. Length <u>58</u> ft. Thickness <u>0.258</u> in.																																								
City <u>SWANTON</u> Zip Code +4 <u>43558</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>2</u> ft.																																								
Use of Well <u>DOMESTIC</u>	Type { 1: <u>Steel</u> 2: _____																																								
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 1: <u>Threaded</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>41.598033</u> Longitude: <u>-83.881167</u>	GRAVEL PACK (Filter Pack)																																								
Elevation of Well in feet: <u>661</u> +/- <u>15</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: <u>SOUTH OF OHIO TURNPIKE 80/90 ON THE EAST SIDE OF FULTON LUCAS ROAD. THE WELL IS APPROX. 470 FEET SOUTH EAST OF HOUSE.</u>	GROUT																																								
	Material <u>Bentonite dry granular</u> Vol/Wt. Used <u>150 lbs</u>																																								
	Method of Installation <u>Dry Driven</u>																																								
	Depth: Placed From: <u>58</u> ft. To: <u>0</u> ft.																																								
Comments on water quality/quantity and well construction: <u>WELL PRODUCES NATURAL GAS ALSO. AS LONG AS THE WELL HEAD IS MAINTAINED IT KEEPS THE GAS BACK AND THE WATER CLEAR. PUMPING TOO HARD ALLOWS THE GAS TO FILTER SILT INTO THE WELL. THE WATER TESTED 8 GRAINS OF HARDNESS AND 1 - 1.5 IN IRON. NO SULPHUR DETECTED.</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>BLACK</td> <td>COARSE</td> <td>SOIL</td> <td>0</td> <td>1.5</td> </tr> <tr> <td>YELLOW</td> <td>COARSE</td> <td>SAND</td> <td>1.5</td> <td>6</td> </tr> <tr> <td>GRAY-WHITE</td> <td>HEAVY</td> <td>SAND AND CLAY</td> <td>6</td> <td>10</td> </tr> <tr> <td>GRAY</td> <td>CLAYEY</td> <td>CLAY</td> <td>10</td> <td>56</td> </tr> <tr> <td>BLACK</td> <td>SHALEY</td> <td>SHALE</td> <td>56</td> <td>58</td> </tr> <tr> <td>BROWN</td> <td>FINE TO COURSE</td> <td>SANDGRAVELCLAY</td> <td>58</td> <td>61</td> </tr> <tr> <td colspan="3" style="text-align: right;">Water Encountered At</td> <td>58</td> <td>61</td> </tr> </tbody> </table>	Color	Texture	Formation	From	To	BLACK	COARSE	SOIL	0	1.5	YELLOW	COARSE	SAND	1.5	6	GRAY-WHITE	HEAVY	SAND AND CLAY	6	10	GRAY	CLAYEY	CLAY	10	56	BLACK	SHALEY	SHALE	56	58	BROWN	FINE TO COURSE	SANDGRAVELCLAY	58	61	Water Encountered At			58	61
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WELL TEST *																																									
Pre-Pumping Static Level <u>48</u> ft. Date <u>12/23/2010</u>																																									
Measured from <u>GROUND LEVEL</u>																																									
Pumping test method <u>BAILING</u>																																									
Test Rate <u>15</u> gpm Duration of Test <u>1</u> hrs.																																									
Feet of Drawdown <u>0</u> ft. Sustainable Yield <u>6</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 <u>SUBMERSIBLE</u> Capacity <u>15</u> gpm																																									
Pump set at <u>60</u> ft. Pitless Type <u>CLEARWAY</u>																																									
Pump installed by <u>DENNIS TIPPPIE WELL DRILLING & SERV.</u>																																									
I hereby certify the information given is accurate and correct to the best of my knowledge.																																									
Drilling Firm <u>DENNIS TIPPPIE WELL DRLG. & SERVICE</u>																																									
Address <u>2342 N WILKINS RD</u>																																									
City, State, Zip <u>SWANTON OH 43558</u>																																									
Signed <u>DENNIS E. TIPPPIE</u> Date <u>1/3/2011</u>																																									
(Filed Electronically)																																									
ODH Registration Number <u>02333</u>	Aquifer Type (Formation producing the most water.) <u>SAND/GRAVEL/CLAY</u>																																								
	Date of Well Completion <u>12/23/2010</u> Total Depth of Well <u>61</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.