

WELL LOG AND DRILLING REPORT

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources
Division of Water, 1939 Fountain Square Drive
Columbus, Ohio 43224-9971 Voice (614) 265-6740 Fax (614) 265-6767

979207

WELL LOCATION	CONSTRUCTION DETAILS																																										
County <u>MAHONING</u> Township <u>SPRINGFIELD</u>	☐ Rotary ☒ Cable ☐ Augered ☐ Driven ☐ Other BOREHOLE/CASING (measured from ground surface)																																										
Owner/Builder <u>JOHN A. KENNEDY</u> (Circle One or Both) First Last	1 ☐ Borehole Diameter <u>10 5/8</u> inches Depth <u>30</u> ft. Casing Diameter <u>6 5/8</u> in. Length <u>30</u> ft. Thickness <u>1.88</u> in.																																										
Address of Well Location <u>5950 COLUMBIANA RD</u> Number Street Name	2 ☐ Borehole Diameter <u>6 5/8</u> inches Depth <u>135</u> ft. Casing Diameter <u>4 1/2</u> in. Length <u>130</u> ft. Thickness <u>2.50</u> in.																																										
City <u>NEW MIDDLETOWN</u> Zip Code +4 <u>44442</u>	Casing Height Above Ground _____ ft.																																										
Permit No. <u>6643</u> Section/Lot No. _____ (Circle One or Both)	Type 1 ☒ Steel 1 ☐ Galv. 1 ☐ PVC 1 ☐ Other <u>4" LINER</u> 2 ☐ Steel 2 ☐ Galv. 2 ☒ PVC 2 ☐ Other <u>SDR 21</u>																																										
Location of Well in State Plane coordinates, if available: Use of Well <u>HOME</u>	Joints 1 ☒ Threaded 1 ☐ Welded 1 ☐ Solvent 1 ☐ Other _____ 2 ☐ Threaded 2 ☐ Welded 2 ☒ Solvent 2 ☐ Other _____																																										
N ☐ X <u>40° 56' 889</u> +/- <u>12</u> ft. or m W ☒ Y <u>080° 32' 361</u> +/- <u>12</u> ft. or m Elevation of Well <u>1227</u> +/- <u>12</u> ft. or m	SCREEN																																										
Datum Plain: ☐ NAD27 ☐ NAD83 Elevation Source <u>GPS</u>	Diameter _____ Slot Size _____ Screen Length _____ ft.																																										
Source of Coordinates: ☒ GPS ☐ Survey ☐ Other	Type _____ Material _____																																										
Sketch a map showing distance well lies from numbered state highways, street intersections, county roads, buildings or other notable landmarks. If latitude and longitude are available please include here: Lat: _____ Long: _____ North	Set Between _____ ft. and _____ ft.																																										
	GRAVEL PACK (Filter Pack)																																										
	Material/Size _____ Volume/Weight Used _____																																										
	Method of Installation _____																																										
	Depth: Placed FROM _____ ft. TO _____ ft.																																										
	GROUT																																										
	Material <u>ENVIROFLUG #8</u> Volume/Weight Used <u>650 LBS.</u>																																										
	Method of Installation <u>MANUAL - DRY</u>																																										
	Depth: Placed FROM <u>30</u> ft. TO <u>0</u> ft.																																										
	DRILLING LOG*																																										
	INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.																																										
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>clay</td> <td>0</td> <td>12</td> </tr> <tr> <td>sandstone</td> <td>12</td> <td>40</td> </tr> <tr> <td>sandy shale</td> <td>40</td> <td>46</td> </tr> <tr> <td>coal</td> <td>46</td> <td>48</td> </tr> <tr> <td>shale</td> <td>48</td> <td>50</td> </tr> <tr> <td>limestone</td> <td>50</td> <td>53</td> </tr> <tr> <td>shale</td> <td>53</td> <td>69</td> </tr> <tr> <td>sandy shale (56M)</td> <td>69</td> <td>77</td> </tr> <tr> <td>shale</td> <td>77</td> <td>112</td> </tr> <tr> <td>sandstone (156M)</td> <td>112</td> <td>125</td> </tr> <tr> <td>coal</td> <td>125</td> <td>126</td> </tr> <tr> <td>wh. shale</td> <td>126</td> <td>129</td> </tr> <tr> <td>shale</td> <td>129</td> <td>135</td> </tr> </tbody> </table>		From	To	clay	0	12	sandstone	12	40	sandy shale	40	46	coal	46	48	shale	48	50	limestone	50	53	shale	53	69	sandy shale (56M)	69	77	shale	77	112	sandstone (156M)	112	125	coal	125	126	wh. shale	126	129	shale	129	135
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WELL TEST* Pre-Pumping Static Level <u>45</u> ft. Date <u>4/24/16</u> Measured from: ☐ Top of Casing ☒ Ground Level ☐ Other ☐ Air ☒ Bailing ☐ Pumping* ☐ Other Test Rate <u>20</u> gpm Duration of Test _____ hrs. Feet of Drawdown <u>60</u> ft. Sustainable Yield <u>20</u> gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No Quality <u>CLEAR</u>																																											
PUMP/PITLESS Type of pump <u>1/2 HP SUB</u> Capacity <u>10</u> gpm Pump set at <u>120</u> ft. Pitless Type <u>MAASS</u> Pump installed by <u>BERRY</u>																																											
I hereby certify the information given is accurate and correct to the best of my knowledge.																																											
Drilling Firm <u>BERRY WELL DRILLING</u> Address <u>9630 UNITY RD</u> City, State, Zip <u>POLAND OH 44514</u>																																											
Signed <u>Greg A. Berry</u> Date <u>5/10/16</u> ODH Registration Number <u>1362</u>																																											
* (If more space is needed to complete drilling log, use next consecutively numbered form.) Date of Well Completion <u>4/25/16</u> Total Depth of Well <u>135</u> ft.																																											