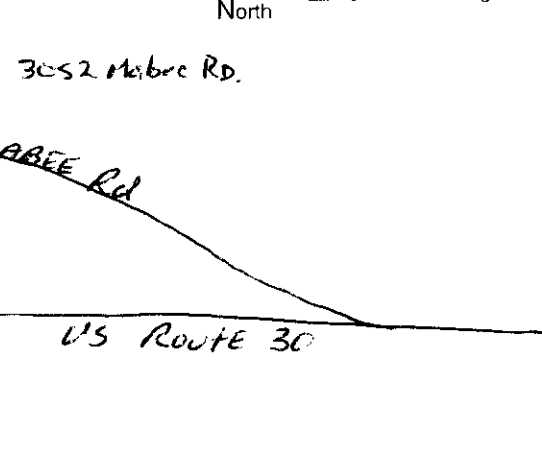


WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 1939 Fountain Square Drive
Columbus, Ohio 43224-9971 Voice (614) 265-6739 Fax (614) 447-9503

934809

WELL LOCATION		CONSTRUCTION DETAILS																																																	
County <u>Richland</u> Township <u>Springfield</u>		☒ Rotary ☐ Cable ☐ Augered ☐ Driven ☐ Other																																																	
Owner/Builder <u>SHAFFER NURSERY</u> (Circle One or Both) First Last Address of Well Location <u>3052 MABEE RD</u> Number Street Name		BOREHOLE/CASING (measured from ground surface) 1) ☒ Borehole Diameter <u>12 1/4</u> inches Depth <u>86</u> ft. Casing Diameter <u>8</u> in. Length <u>86</u> ft. Thickness _____ in. 2) ☒ Borehole Diameter <u>7 3/4</u> inches Depth <u>154</u> ft. Casing Diameter <u>6</u> " in. Length <u>156</u> ft. Thickness <u>SDR-24</u> in.																																																	
City <u>MANSFIELD</u> Zip Code +4 _____ Permit No. <u>N/A Irrigation</u> Section/Lot No. <u>16</u> (Circle One or Both)		Casing Height Above Ground _____ ft. Type 1 ☐ Steel 1 ☐ Galv. 1 ☒ PVC 1 ☐ 2 ☐ 2 ☐ 2 ☐ 2 ☐ Other Joints 1 ☐ Threaded 1 ☐ Welded 1 ☒ Solvent 1 ☐ 2 ☐ 2 ☐ 2 ☐ 2 ☐ Other																																																	
Location of Well in State Plane coordinates, if available: Use of Well <u>Irrigation</u> N ☐ X _____ +/- _____ ft. or m S ☐ Y _____ +/- _____ ft. or m Elevation of Well _____ +/- _____ ft. or m Datum Plain: ☐ NAD27 ☐ NAD83 Elevation Source _____ Source of Coordinates: ☐ GPS ☐ Survey ☐ Other _____		SCREEN Diameter _____ Slot Size _____ Screen Length _____ ft. Type _____ Material _____ Set Between _____ ft. and _____ ft. GRAVEL PACK (Filter Pack) Material/Size _____ Volume/Weight Used _____ Method of Installation _____ Depth: Placed FROM _____ ft. TO _____ ft.																																																	
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 		GROUT Material <u>BENSAL</u> Volume/Weight Used <u>250#</u> Method of Installation <u>PRESSURE PUMP TREMIE</u> Depth: Placed FROM <u>154</u> ft. TO <u>0</u> ft.																																																	
WELL TEST* Pre-Pumping Static Level <u>126</u> ft. Date <u>10-3-01</u> Measured from: ☐ Top of Casing ☒ Ground Level ☐ Other _____ ☐ Air ☐ Bailing ☒ Pumping* ☐ Other _____ Test Rate <u>60</u> gpm Duration of Test <u>1 1/2</u> hrs. Feet of Drawdown <u>80</u> ft. Sustainable Yield <u>40</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>		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 style="text-align: center;">From</th> <th style="text-align: center;">To</th> </tr> </thead> <tbody> <tr><td>Clay</td><td style="text-align: center;">0</td><td style="text-align: center;">6</td></tr> <tr><td>Clay and Gravel</td><td style="text-align: center;">6</td><td style="text-align: center;">62</td></tr> <tr><td>Gravel</td><td style="text-align: center;">62</td><td style="text-align: center;">67</td></tr> <tr><td>Clay and Gravel</td><td style="text-align: center;">67</td><td style="text-align: center;">75</td></tr> <tr><td>Brown Sandstone</td><td style="text-align: center;">75</td><td style="text-align: center;">88</td></tr> <tr><td>Clay and Gravel</td><td style="text-align: center;">88</td><td style="text-align: center;">134</td></tr> <tr><td>Broken Brown Sandstone</td><td style="text-align: center;">134</td><td style="text-align: center;">148</td></tr> <tr><td>Brown Sandstone</td><td style="text-align: center;">148</td><td style="text-align: center;">168</td></tr> <tr><td>Broken DARK Brown Sandstone</td><td style="text-align: center;">168</td><td style="text-align: center;">171</td></tr> <tr><td>Brown Sandstone</td><td style="text-align: center;">171</td><td style="text-align: center;">174</td></tr> <tr><td>Gray Sandy Shale</td><td style="text-align: center;">174</td><td style="text-align: center;">184</td></tr> <tr><td>Gray Sandstone</td><td style="text-align: center;">184</td><td style="text-align: center;">209</td></tr> <tr><td>Gray Sandy Shale</td><td style="text-align: center;">209</td><td style="text-align: center;">234</td></tr> <tr><td>Gray Sandstone</td><td style="text-align: center;">234</td><td style="text-align: center;">248</td></tr> <tr><td>Gray Sandy Shale</td><td style="text-align: center;">248</td><td style="text-align: center;">260</td></tr> </tbody> </table>			From	To	Clay	0	6	Clay and Gravel	6	62	Gravel	62	67	Clay and Gravel	67	75	Brown Sandstone	75	88	Clay and Gravel	88	134	Broken Brown Sandstone	134	148	Brown Sandstone	148	168	Broken DARK Brown Sandstone	168	171	Brown Sandstone	171	174	Gray Sandy Shale	174	184	Gray Sandstone	184	209	Gray Sandy Shale	209	234	Gray Sandstone	234	248	Gray Sandy Shale	248	260
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PUMP/PITLESS Type of pump <u>SUBMERSIBLE</u> Capacity <u>50</u> gpm Pump set at <u>240</u> ft. Pitless Type <u>MAAS LEXIDON</u> Pump installed by <u>JACKSON AND SONS</u> I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm <u>JACKSON AND SONS DRILLING AND PUMP CO.</u> Address <u>3401 ST. RT. 13 SOUTH</u> City, State, Zip <u>MANSFIELD, OHIO 44904</u>																																																			
Signed <u>Mark Barthelmeid</u> Date <u>10-3-01</u> ODH Registration Number <u>606</u>		*(If more space is needed to complete drilling log, use next consecutively numbered form.) Date of Well Completion <u>10-3-01</u> Total Depth of Well <u>260</u> ft.																																																	