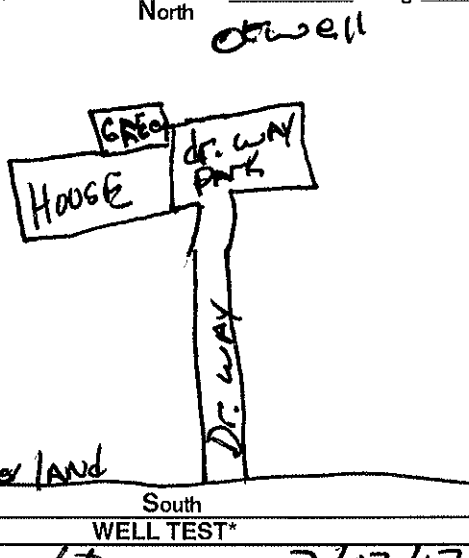


WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources

**Division of Soil and Water Resources, 2045 Morse Road Building B
Columbus, Ohio 43229-6693 Voice (614) 265-6740 Fax (614) 265-6767**

1019572

WELL LOCATION		CONSTRUCTION DETAILS																																																	
County <u>TUSC.</u> Township <u>SANDY</u> Owner/Builder <u>Troy Brown</u> Address of Well Location <u>8179 NEW Cumberland Rd.</u> City <u>Mineral City</u> Zip Code +4 <u>44656</u> Permit No. <u>551322</u> Section/Lot No. _____ Location of Well in State Plane coordinates, if available: Use of Well N ☐ X <u>40.59667 N</u> +/- _____ ft. or m S ☐ Y <u>81.35592 W</u> +/- _____ ft. or m Elevation of Well <u>947</u> +/- _____ ft. or m Datum Plain: ☐ NAD27 ☐ NAD83 Elevation Source _____ Source of Coordinates: ☒ GPS ☐ Survey ☐ Other _____		☒ Rotary ☐ Cable ☐ Augered ☐ Driven ☐ Other BOREHOLE/CASING (measured from ground surface) <u>200-#21</u> 1 ☐ Borehole Diameter <u>8 1/2</u> inches Depth <u>80 #17</u> ft. Casing Diameter <u>5</u> in. Length <u>280</u> ft Thickness _____ in. 2 ☐ Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft Thickness _____ in. Casing Height Above Ground _____ ft. Type 1 ☐ Steel 1 ☐ Galv. 1 ☒ PVC 1 ☐ 2 ☐ 2 ☐ 2 ☐ Other 2 ☐ Joints 1 ☐ Threaded 1 ☐ Welded 1 ☒ Solvent 1 ☐ 2 ☐ 2 ☐ 2 ☐ Other 2 ☐																																																	
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: _____  The map shows a well located near a house, driveway, park, and road. The well is labeled 'Well' and is situated near a 'HOUSE', 'driveway', 'park', and 'NEW Cumberland Rd.'. A compass rose indicates North, South, East, and West. A circled 'X' marks the well location. A note says 'Septic' near the well.		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. GROUT Material <u>WOYO-Ben</u> Volume/Weight Used <u>10-50lb BAGS 220gal water</u> Method of Installation _____ Depth: Placed FROM <u>140</u> ft. TO <u>SURFACE</u> ft.																																																	
WELL TEST* Pre-Pumping Static Level <u>60</u> ft. Date <u>7/17/17</u> Measured from: ☒ Top of Casing ☐ Ground Level ☐ Other _____ ☒ Air ☐ Bailing ☐ Pumping* ☐ Other _____ Test Rate _____ gpm Duration of Test _____ hrs. Feet of Drawdown _____ ft. Sustainable Yield _____ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached? ☐ Yes ☐ No Flowing Well? ☐ Yes ☐ No Quality _____		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>SANDY SOIL</td><td>0</td><td>3</td></tr> <tr><td>MUD/SAND MIX</td><td>3</td><td>30</td></tr> <tr><td>Grey SAND STONE</td><td>30</td><td>93</td></tr> <tr><td>Grey SHALE</td><td>93</td><td>103</td></tr> <tr><td>COAL</td><td>103</td><td>105</td></tr> <tr><td>Grey SHALE</td><td>105</td><td>108</td></tr> <tr><td>COAL</td><td>108</td><td>115</td></tr> <tr><td>limestone</td><td>115</td><td>117</td></tr> <tr><td>Grey SHALE</td><td>117</td><td>125</td></tr> <tr><td>COAL</td><td>125</td><td>128</td></tr> <tr><td>H. Grey SAND STONE</td><td>128</td><td>150</td></tr> <tr><td>limestone</td><td>150</td><td>153</td></tr> <tr><td>Grey SHALE</td><td>153</td><td>200</td></tr> <tr><td>Grey SAND SHALE</td><td>200</td><td>280</td></tr> <tr><td>Water at 178'</td><td></td><td></td></tr> </tbody> </table>			From	To	SANDY SOIL	0	3	MUD/SAND MIX	3	30	Grey SAND STONE	30	93	Grey SHALE	93	103	COAL	103	105	Grey SHALE	105	108	COAL	108	115	limestone	115	117	Grey SHALE	117	125	COAL	125	128	H. Grey SAND STONE	128	150	limestone	150	153	Grey SHALE	153	200	Grey SAND SHALE	200	280	Water at 178'		
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PUMP/PITLESS Type of pump <u>Sub.</u> Capacity <u>6</u> gpm Pump set at <u>267</u> ft. Pitless Type <u>Flow-Thru.</u> Pump installed by <u>Flick's Drilling</u> I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm <u>Flick's Drilling</u> Address <u>6130 Columbia Rd. N.W.</u> City, State, Zip <u>Dover Oh 44622</u>		Signed <u>R. Blunking</u> Date <u>7/19/17</u> ODH Registration Number _____																																																	
		* (If more space is needed to complete drilling log, use next consecutively numbered form.) Date of Well Completion <u>7/17/2017</u> Total Depth of Well <u>280</u> ft.																																																	

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF SOIL AND WATER RESOURCES, 2045 MORSE ROAD BLD. B, COLS., OHIO 43229-6693

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy