

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) 265-6739 Fax (614) 447-9503

894905 X

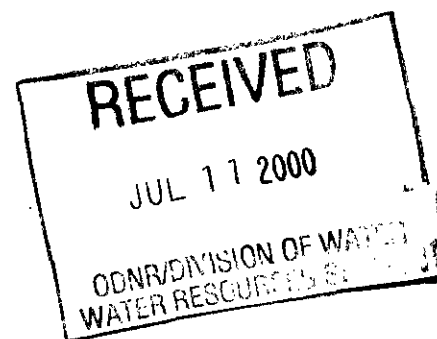
WELL LOCATION		CONSTRUCTION DETAILS																															
County <u>CLARK</u> Township <u>BETHEL</u> Owner/Builder <u>CITY OF NEW CARLISLE, OH</u> Address of Well Location <u>CITY PARK ON SR 235</u> City <u>NEW CARLISLE</u> Zip Code +4 <u>45344</u> Permit No. _____ Section/Lot No. _____ Location of Well in State Plane coordinates, if available: _____ Use of Well <u>POTABLE</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 _____		☐ Rotary ☒ Cable ☐ Augered ☐ Driven ☐ Other _____ BOREHOLE/CASING (measured from ground surface) 1 ☐ Borehole Diameter <u>24</u> inches Depth <u>95</u> ft. Casing Diameter <u>16</u> in. Length <u>66</u> ft. Thickness <u>3/16</u> in. 2 ☐ Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground <u>2'</u> Type 1 ☒ Steel 1 ☐ Galv. 1 ☐ PVC 1 ☐ Other _____ Joints 1 ☐ Threaded 1 ☒ Welded 1 ☐ Solvent 1 ☐ Other _____ SCREEN Diameter <u>16"</u> Slot Size <u>170</u> Screen Length <u>28</u> ft. Type <u>WIRE WOUND</u> Material <u>STAINLESS</u> Set Between <u>83</u> — <u>55</u> ft. and <u>90</u> — <u>76'</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>1/4 x 1/8</u> Volume/Weight Used <u>11000 LBS</u> Method of Installation <u>POUR</u> Depth: Placed FROM <u>109</u> ft. TO <u>50</u> ft. GROUT Material <u>CEMENT/BEN</u> Volume/Weight Used <u>70 BAGS</u> Method of Installation <u>PUMP</u> Depth: Placed FROM <u>47</u> ft. TO <u>6'</u> 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: _____ <u>WELL #6</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;">2</td> </tr> <tr> <td>DRY SAND & GRAVEL COBBLES</td> <td style="text-align: center;">2</td> <td style="text-align: center;">15</td> </tr> <tr> <td>GRAY CLAY</td> <td style="text-align: center;">15</td> <td style="text-align: center;">40</td> </tr> <tr> <td>LIGHT BROWN SAND & GRAVEL</td> <td style="text-align: center;">40</td> <td style="text-align: center;">78</td> </tr> <tr> <td>LIGHT GRAY CLAY</td> <td style="text-align: center;">78</td> <td style="text-align: center;">82</td> </tr> <tr> <td>LIGHT BROWN SAND & GRAVEL</td> <td style="text-align: center;">82</td> <td style="text-align: center;">93</td> </tr> <tr> <td>GRAY CLAY</td> <td style="text-align: center;">93</td> <td style="text-align: center;">95</td> </tr> <tr> <td>SILTY SAND & GRAVEL</td> <td style="text-align: center;">95</td> <td style="text-align: center;">104</td> </tr> <tr> <td>GRAY CLAY</td> <td style="text-align: center;">104</td> <td style="text-align: center;">109</td> </tr> </tbody> </table>			From	To	CLAY	0	2	DRY SAND & GRAVEL COBBLES	2	15	GRAY CLAY	15	40	LIGHT BROWN SAND & GRAVEL	40	78	LIGHT GRAY CLAY	78	82	LIGHT BROWN SAND & GRAVEL	82	93	GRAY CLAY	93	95	SILTY SAND & GRAVEL	95	104	GRAY CLAY	104	109
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WELL TEST* Pre-Pumping Static Level <u>32.86</u> ft. Date <u>5/9/00</u> Measured from: ☒ Top of Casing ☐ Ground Level ☐ Other _____ ☐ Air ☐ Bailing ☒ Pumping* ☐ Other _____ Test Rate <u>1004</u> gpm Duration of Test <u>24</u> hrs. Feet of Drawdown <u>24.29</u> ft. Sustainable Yield <u>700</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>NA</u> 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>LAYNE-OHIO</u> Address <u>561 E. LEBEL LANE</u> City, State, Zip <u>SPRINGFIELD, OH 45505</u> Signed <u>Anthony J. Alley</u> Date <u>7/6/00</u> ODH Registration Number _____		*(If more space is needed to complete drilling log, use next consecutively numbered form.) Date of Well Completion <u>5/12/00</u> Total Depth of Well <u>90</u> ft.																															

Clark/Bethel
894905
City of New Carlisle

PUMPING RATE = 1004 GPM
STATIC = 32.86

DATE	TIME (MIN)	DEPTH TO WATER (FT)	DRAWDOWN (FT)	CHANGE IN LEVEL
5/9/00	0.016667	40.00	7.14	
5/9/00	0.133333	43.77	10.91	3.77
5/9/00	0.3	44.72	11.86	0.95
5/9/00	0.666667	45.25	12.39	0.53
5/9/00	0.916667	45.66	12.80	0.41
5/9/00	1.066667	46.29	13.43	0.63
5/9/00	1.216667	46.72	13.86	0.43
5/9/00	1.383333	46.88	14.02	0.16
5/9/00	1.5	47.20	14.34	0.32
5/9/00	1.65	47.60	14.74	0.40
5/9/00	1.8	48.86	16.00	1.26
5/9/00	1.966667	49.32	16.46	0.46
5/9/00	2.083333	50.19	17.32	0.86
5/9/00	2.183333	50.49	17.63	0.31
5/9/00	2.5	49.98	17.12	-0.51
5/9/00	2.75	51.44	18.58	1.46
5/9/00	3	51.86	19.00	0.42
5/9/00	3.25	52.16	19.30	0.30
5/9/00	3.5	51.35	18.49	-0.81
5/9/00	4	51.12	18.26	-0.23
5/9/00	4.5	51.16	18.30	0.04
5/9/00	5	51.25	18.39	0.09
5/9/00	6	51.38	18.52	0.13
5/9/00	7	51.50	18.64	0.12
5/9/00	8	51.58	18.72	0.08
5/9/00	9	51.65	18.79	0.07
5/9/00	10	51.74	18.88	0.09
5/9/00	11	51.80	18.94	0.06
5/9/00	12	51.85	18.99	0.05
5/9/00	13	51.90	19.04	0.05
5/9/00	14	51.95	19.09	0.05
5/9/00	15	51.99	19.13	0.04
5/9/00	20	52.24	19.38	0.25
5/9/00	25	52.39	19.53	0.15
5/9/00	30	53.40	20.54	1.01
5/9/00	35	53.21	20.35	-0.19
5/9/00	40	53.32	20.46	0.11
5/9/00	45	53.40	20.54	0.08
5/9/00	50	53.50	20.64	0.10
5/9/00	55	53.59	20.73	0.09
5/9/00	60	53.69	20.83	0.10
5/9/00	75	53.86	21.00	0.17

Measurements
taken in
pumping well
PW-6 (City
of New Carlisle)
by Panterra Corp.)



5/9/00	85	53.97	21.11	0.11
5/9/00	90	54.04	21.18	0.18
5/9/00	105	54.14	21.28	0.10
5/9/00	120	54.17	21.31	0.03
5/9/00	150	54.43	21.57	0.26
5/9/00	180	54.60	21.74	0.17
5/9/00	210	54.77	21.91	0.17
5/9/00	240	54.84	21.98	0.07
5/9/00	300	55.08	22.22	0.24
5/9/00	360	55.38	22.52	0.30
5/9/00	420	55.50	22.64	0.12
5/9/00	480	55.62	22.76	0.12
5/9/00	540	55.74	22.88	0.12
5/9/00	600	55.84	22.98	0.10
5/9/00	660	55.98	23.12	0.14
5/9/00	720	56.03	23.17	0.05
5/9/00	780	56.52	23.66	0.49
5/10/00	840	56.59	23.73	0.07
5/10/00	900	56.65	23.79	0.06
5/10/00	960	56.67	23.81	0.02
5/10/00	1020	56.7	23.84	0.03
5/10/00	1080	56.77	23.91	0.07
5/10/00	1140	56.86	24	0.09
5/10/00	1200	56.9	24.04	0.04
5/10/00	1260	57	24.14	0.10
5/10/00	1320	57.04	24.18	0.04
5/10/00	1380	57.11	24.25	0.07
5/10/00	1440	57.15	24.29	0.04

