HARING TOWNSHIP Wexford County, Michigan Water System Extension 2024

| PROJ #240156 | ADDENDUM #1 | DATE: 1/27/2025 |
|--------------|-------------|-----------------|

NOTICE: This Addendum No.1, issued in accordance with the Contract Documents, is incorporated into the Contract Documents and supersedes and updates all conflicting information and is hereby amended in certain particulars as follows:

Date: January 27,2025

CHANGES TO THE CONTRACT:

None.

CHANGES TO THE PLANS:

None.

REFERENCE MATERIALS:

For reference, well longs and summary of well properties for wells to be abandoned is provided as an attachment. The listing of publicly available information for well logs available through https://www.mcgi.state.mi.us/waterwellviewer/ is included. The information available when compiled did not include each well for each property to be provided with a new service and well abandoned.

ADDENDUM ACKNOWLEDGMENT:

This Addendum No. 1 shall be attached to and shall become a part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may result in the rejection of the Bid.

END SECTION

DISTRIBUTION: (via email) All Plan Holders Posted to website

Haring Township Well Logic Information 240156 Watermain Extension

Well List Preliminary

| No. | Street | Street No. | Size (in) | Depth | Casing | Year Installed |
|-----|--------|------------|-----------|-------|--------|----------------|
| 1 | Bob | 9661 | | 125 | PVC | 1987 |
| 2 | Bob | 9677 | | 105 | PVC | 1987 |
| 3 | Bob | 9691 | | 125 | PVC | 1987 |
| 4 | E 13th | 9521 | 5 | 120 | PVC | 1998 |
| 5 | E 13th | 9712 | | | | |
| 6 | E 13th | 9731 | 5 | 128 | PVC | 2016 |
| 7 | E 13th | 9762 | | | | |
| 8 | E 13th | 9826 | 5 | 135 | PVC | 2024 |
| 9 | E 13th | 9856 | 5 | 84 | PVC | 1998 |
| 10 | E 13th | 9886 | 5 | 86 | PVC | 1998 |
| 11 | E 13th | 9900 | | | | |
| 12 | E 13th | 9905 | 6 | 140 | PVC | 2002 |
| 13 | E 13th | 9905 | | | | |
| 14 | E 13th | 9905 | | | | |
| 15 | E 13th | 9930 | | | | |
| 16 | E 13th | 9960 | 5 | 156 | PVC | 1996 |
| 17 | John R | 4787 | | | | |
| 18 | John R | 4795 | | | | |
| 19 | John R | 4835 | 4 | 130 | | 1979 |
| 20 | John R | 4838 | | | | |
| 21 | John R | 4843 | 4 | 90 | PVC | 1998 |
| 22 | John R | 4879 | 5 | 120 | PVC | 2019 |
| 23 | John R | 4884 | 5 | 98 | PVC | 2007 |
| 24 | John R | 4895 | 4 | 76 | Steel | 1995 |
| 25 | John R | 4930 | | 100 | PVC | 1989 |
| 26 | John R | 4976 | 4 | 67 | Steel | 1994 |
| 27 | Meyer | 4790 | | | | |
| 28 | Meyer | 4874 | 5 | 78 | PVC | 2006 |
| 29 | Meyer | 4885 | 5 | 140 | PVC | 2002 |
| 30 | Meyer | 4920 | 4 | 84 | | 1981 |
| 31 | Meyer | 4966 | 4 | 76 | Steel | 1997 |
| 32 | Meyer | 4969 | | | | |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: | Permit No: 12196 | County: Wexfo | | | Township: | | |
|---|-----------------------------|------------------------------------|-----------------------------|-----------------|----------------|-----------------|--------------------|
| | | Town/Range: | Section: | Well Status: | WSSN: | Source | ID/Well No: |
| Well ID: 830000 | 08/31 | 22N 09W | 27 | Active | | | |
| | 100431 | Distance and D | | | section: | | |
| Elevation: | | LOT #5 PLEAS | ANT PINESS | SUB | | | |
| Latitude: 44.270355 | | Well Owner: J | | FOOTE | | | |
| Longitude: -85.383262 | | Well Address: | | | Owner Add | ess: | |
| | | 9661 BOB RD 15795 LAKE MITCHELL DR | | | | | DR |
| Method of Collection: Interpolation | on-Map | CADILLAC, MI | 49601 | | CADILLAC | , MI 49601 | |
| Drilling Method: Rotary | | Pump Inst | alled: Yes | 3 | Pump Ins | stallation Only | v: No |
| 5 | I Use: Household | | allation Date | | HP: 0.50 | - | |
| | e Completed: 5/1/1987 | Manufactu | irer: Flint & | & Walling | Pump Ty | pe: Submers | sible |
| | Height: | | nber: 4F10 | | • | pacity: 10 G | PM |
| Casing Joint: Unknown | | | Length: 8 | 0.00 ft. | • | ltage: 220 | |
| Casing Fitting: Unknown | | Drop Pipe | Diameter: n Seal Used | : Unknown | Drilling R | lecord ID: | |
| Diameter: | | | Tank Installe | | | | |
| | | | Fank Type: | | | | |
| | | | irer: Well- | | | | |
| Borehole: | | Model Nur | nber: 2021 | JG | Tank Ca | pacity: | |
| | | Pressure F | Relief Valve | Installed: | Unknown | | |
| Ctatia Water Levels 70.00 ft | | | | | | | - |
| Static Water Level: 70.00 ft. Well Yield Test: | Yield Test Method: Unknown | | Formation | Description | | Thickness | Depth to Bottom |
| | field fest metrica. Onknown | Sand | | | | 4.00 | 4.00 |
| | | Clay | | | | 2.00 | 6.00 |
| | | Sand | | | | 34.00 | 40.00 |
| Unrestricted Flow Rate: | | Gravel | | | | 45.00 | 85.00 |
| | er Packed: Unknown | Sand Coar | se | | | 40.00 | 125.00 |
| | ik: 3.00 ft. Above | | | | | | |
| Screen Material Type: Stainless stee Screen Installation Type: Unknown | i-wire wrapped | | | | | | |
| | Set Between | | | | | | |
| 10.00 5.00 ft. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Fittings: Neoprene packer | | | | | | | |
| | | Coology | emerke. | | | | |
| Grouting Material Bags Additiv | ves Depth | Geology R | emarks: | | | | |
| Unknown Other | bes Deptil | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adapt | ter | | | | | | |
| Nearest Source of Possible Contamina | ation | Drilling Ma | ochino One- | ntor Nome- | | | |
| | Distance Direction | - | achine Opera ent: Unknov | | | | |
| | 60 ft. Unknown | | UNKNUV | ••• | | | |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | er Well Drillin | | Reg No: 8 | 34-0519 |
| Abandoned Well Plugged: Unknown | | | | DS FLINT + S | | | |
| | | Business / | | 0213 S 39 R | | | |
| | | - | | | | ertification | tunt'n - |
| . | asing Removed | This well a | na/or pump ir | istallation was | s performed u | under my regis | stration. |
| | Casing Removed: | | | | | | |
| | | Signature | of Docioto | d Contract- | | Detc | |
| General Remarks: ADDRESS, LAT LO | NG AH 11/28/2023 | Joignature | or Registere | ed Contractor | | Date | |
| Other Remarks: Grouting Additive 1:HO | | | | | | | |
| | e 1 of 1 | | | S | State of Michi | gan 11/23/ | /2023 6:21 AM |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: | Permit No: 12195 | County: Wexfo | ord | , | Township: | Haring | | | |
|------------------------------------|----------------------------|--|--------------------------|------------------------|------------|----------------|-----------------|--|--|
| | | Town/Range: 22N 09W | Section: 27 | Well Status: Active | WSSN | : Source | e ID/Well No: | | |
| Well ID: 83000 | 008812 | Distance and D | | | ection: | | | | |
| | | LOT #20 PLEAS | | | | | | | |
| Elevation: | | | | | | | | | |
| Latitude: 44.269735 | | Well Owner: J | IOHN + ISAE | BELL BERRY | | | | | |
| Longitude: -85.382595 | | Well Address: | | | Owner Add | | | | |
| Method of Collection: Interpol | ation-Man | 9677 BOB RD1579 S LAKE MITCHELL DRCADILLAC, MI 49601CADILLAC, MI 49601 | | | | | | | |
| | | CADILLAC, MI | 49601 | | CADILLAC | , IVII 4960 I | | | |
| Drilling Method: Rotary | | Pump Inst | alled: Yes | 6 | Pump In: | stallation Onl | y: No | | |
| | Vell Use: Household | | allation Date | | HP: 0.50 |) | | | |
| Well Type: Unknown E | | Irer: Flint a | - | | pe: Submer | | | | |
| Casing Type: PVC plastic | Height: | | nber: 4F1 | | - | apacity: 10 G | SPM | | |
| Casing Joint: Unknown | | | Length: 8 | 0.00 ft. | - | oltage: 220 | | | |
| Casing Fitting: Drive shoe | | Drop Pipe | Diameter: n Seal Used | | Drilling F | Record ID: | | | |
| Diameter: | | | Tank Installe | | | | | | |
| Diameter. | | | Fank Type: | | | | | | |
| | | | irer: Well- | | | | | | |
| Borehole: | | | nber: 2020 | | Tank Ca | apacity: | | | |
| | | Pressure F | Relief Valve | Installed: | Unknown | | | | |
| | | | | | | | - | | |
| Static Water Level: 70.00 ft. | | | Formatior | Description | | Thickness | Depth to | | |
| Well Yield Test: | Yield Test Method: Unknown | Sand | | | | 15.00 | Bottom 15.00 | | |
| | | Sand Coars | 50 | | | 15.00 | 30.00 | | |
| | | Gravel | 30 | | | 50.00 | 80.00 | | |
| Unrestricted Flow Rate: | | Sand Coars | se | | | 25.00 | 105.00 | | |
| Screen Installed: Yes F | ilter Packed: Unknown | | | | | | | | |
| | lank: 3.00 ft. Above | | | | | | | | |
| Screen Material Type: Stainless st | eel-wire wrapped | | | | | | | | |
| Screen Installation Type: Unknow | n | | | | | | | | |
| Slot Length | Set Between | | | | | | | | |
| 10.00 5.00 ft. | | | | | | | | | |
| | | | | | | | | | |
| Fittings: Neoprene packer | | | | | | | | | |
| | | | | | | | | | |
| | | Geology R | emarks: | | | | | | |
| Grouting Material Bags Add | itives Depth | | | | | | | | |
| Unknown Othe | er | | | | | | | | |
| | | | | | | | | | |
| Wellhead Completion: Pitless ad | ontor | | | | | | | | |
| Weineau Completion. Filless au | apter | | | | | | | | |
| Nearest Source of Possible Contan | nination: | Drilling Ma | achine Opera | ator Name: | | | | | |
| Туре | Distance Direction | - | ent: Unknov | | | | | | |
| Septic tank | 50 ft. Unknown | | | | | | | | |
| | | | | er Well Drilling | | Reg No: 8 | 84-0519 | | |
| Abandoned Well Plugged: Unkno | wn | | | DS FLINT + SO | | | | | |
| | | Dusiness / | | 0213 S 39 MI | | ertification | | | |
| | | This woll a | | | | under my regis | stration | | |
| | Casing Removed: | | | iotanation was | Penonneu | | | | |
| | | | | | | | | | |
| | | Signature | of Register | ed Contractor | | Date | | | |
| General Remarks: | | Isignature | - rogistere | | | Date | | | |
| Other Remarks: Grouting Additive 1 | HOLE PLUG | | | | | | | | |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: | Permit No: 12194 | County: Wexfo | ord | | Township: | Haring | | | |
|---|----------------------------------|---------------------------------------|-------------------------------------|-------------------|--------------|------------------------------|---------------|--|--|
| | | | Section: | Well Status: | | | e ID/Well No: | | |
| | | 22N 09W | 27 | Active | | | | | |
| Well ID: 830000 | 108814 | Distance and D | irection fro | m Road Inters | section: | | | | |
| | | LOT #7, PLEAS | ANT PINES | SUB | | | | | |
| Elevation: | | | | | | | | | |
| Latitude: 44.270319 | | Well Owner: E | BRYCE A + S | SALLY TO FRI | IESS | | | | |
| Longitude: -85.382641 | | Well Address: Owner Address: | | | | | | | |
| | | 9691 BOB RD | 9691 BOB RD 1504 S LAKE MITCHELL DR | | | | | | |
| Method of Collection: Interpolatic | on-Map | CADILLAC, MI 49601 CADILLAC, MI 49601 | | | | | | | |
| | | During lange | - II 1 | _ | During | | NI- | | |
| Drilling Method: Rotary Well Depth: 125.00 ft. Wel | | Pump Inst | | | • | stallation Onl | y: NO | | |
| - | Il Use: Household | | allation Date irer: Flint | | HP: 0.50 | | aibla | | |
| | e Completed: 5/1/1987 Height: | | nber: 4F1 | - | | ype: Submer apacity: 10 (| | | |
| Casing Joint: | Height. | | Length: 8 | | - | oltage: 220 | 3710 | | |
| Casing Fitting: Drive shoe | | Drop Pipe | • | 0.00 n. | - | Record ID: | | | |
| Casing Fitting. Drive shoe | | | n Seal Used | : Unknown | Drining | Record ID. | | | |
| Diameter: | | | Fank Installe | | | | | | |
| Diameter | | | Fank Type: | | | | | | |
| | | | irer: Well- | | | | | | |
| Borehole: | | | nber: 202 | | Tank C | apacity: | | | |
| | | | Relief Valve | | Unknown | apaony. | | | |
| | | | | | • | | | | |
| Static Water Level: 70.00 ft. | | | | | | | Depth to | | |
| Well Yield Test: | Yield Test Method: Unknown | | Formation | n Description | | Thickness | Bottom | | |
| | | Sand | | | | 3.00 | 3.00 | | |
| | | Clay & San | nd | | | 3.00 | 6.00 | | |
| | | Sand | | | | 24.00 | 30.00 | | |
| Unrestricted Flow Rate: | | Gravel | | | | 45.00 | 75.00 | | |
| Screen Installed: Yes Filte | er Packed: Unknown | Sand Coar | se | | | 50.00 | 125.00 | | |
| Screen Diameter: 3.75 in. Blan | 1k: 3.00 ft. Above | | | | | | | | |
| Screen Material Type: Stainless steel | l-wire wrapped | | | | | | | | |
| Screen Installation Type: Unknown | | | | | | | | | |
| Slot Length | Set Between | | | | | | | | |
| 10.00 5.00 ft. | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Fittings: Neoprene packer | | | | | | | | | |
| | | | | | | | | | |
| | | Geology R | emarks: | | | | | | |
| Grouting Material Bags Additiv | ves Depth | | | | | | | | |
| Unknown Other | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Wellhead Completion: Pitless adapt | ter | | | | | | | | |
| Nearest Source of Possible Contamina | ation: | Drilling Mr | achine Oper | ator Name: | | | | | |
| | Distance Direction | - | ent: Unknov | | | | | | |
| 21° * | 50 ft. Unknown | Employme | III. OTIKIIO | VII | | | | | |
| | John Ohkhowh | Contracto | r Type: Wat | ter Well Drilling | a Contractor | Reg No: | 84-0519 | | |
| Abandoned Well Plugged: Unknown | | Business | Name: THO | DS FLINT + S | ON INC | | | | |
| | | | | 10213 S 39 MI | | | | | |
| | | | | | | ertification | | | |
| | | This well a | | | | under my regis | | | |
| c | Casing Removed: | | | | 1 | , | | | |
| | J | | | | | | | | |
| | | Signatura | | ed Contractor | | Date | | | |
| General Remarks: | | Isignature | or neglatell | | | Dale | | | |
| Other Remarks: Grouting Additive 1:HC | | | | | | | | | |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: 2209-27-4301 | Permit No: 27439 | County: Wexfo | | | Township: | | | |
|---|--|--|-----------------------------|------------------------------|-----------------------|----------------------------|--------------------|--|
| | | Town/Range: 22N 09W | Section: 27 | Well Status: | WSSN: | Source | ID/Well No: | |
| Well ID: 830000 | 102024 | Distance and D | irection from | m Road Inters | ection: | | | |
| Elevation: | | | | | | | | |
| Latitude: 44.267146 | | Well Owner: E | BRYCE L. VA | NDERVLUGT | - | | | |
| Longitude: -85.38518 | | Well Address: | | | Owner Addı | | | |
| Method of Collection: Address M | atching-House Number | 9521 EAST 13 CADILLAC, MI | | | 9521 EAST CADILLAC | T 13TH STREE , MI 49601 | T | |
| Drilling Method: Rotary | | Pump Inst | alled: Yes | 6 | Pump Ins | stallation Only | y: No | |
| | Use: Household | Pump Installation Date: HP: 0.75 Manufacturer: Aermotor Pump Type: | | | | | | |
| | Well Type: Replacement Date Completed: 4/9/1998 Casing Type: PVC plastic Height: | | nber: Aerm | | | pe: Submers | | |
| Casing Joint: Unknown | neight. | | Length: 1 | | Pump Vo | | | |
| Casing Fitting: None | | Drop Pipe | | | | Record ID: | | |
| | | | n Seal Used | | | | | |
| Diameter: 5.00 in. to 115.00 ft. depth | | | Fank Installe Fank Type: | | | | | |
| | | | irer: Well- | | | | | |
| Borehole: 8.00 in. to 120.00 ft. depth | | Model Nur | nber: WM | 20 | Tank Ca | apacity: | | |
| | | Pressure F | Relief Valve | Installed: | No | | | |
| Static Water Level: 68.00 ft. Below Gra Well Yield Test: | ade Yield Test Method: Air | | Formation | Description | | Thickness | Depth to Bottom | |
| Pumping level 73.00 ft. after 1.00 hrs. at | 34 GPM | Sand | | | | 120.00 | 120.00 | |
| | | | | | | | | |
| Caraon Installada Mas | er Packed: Yes | | | | | | | |
| | k: 2.00 ft. Above | | | | | | | |
| Screen Material Type: | | | | | | | | |
| Screen Installation Type: Unknown | | | | | | | | |
| - · · · J | Set Between | | | | | | | |
| 10.00 5.00 ft. | 115.00 ft. and 120.00 ft. | | | | | | | |
| | | | | | | | | |
| Fittings: Neoprene packer | | | | | | | | |
| | | | | | | | | |
| Well Grouted: Yes Grouting Me | ethod: Unknown | Geology R | emarks: | | | | | |
| Grouting Material Bags Additiv | - | | | | | | | |
| Bentonite slurry 0.00 None | 0.00 ft. to 112.00 f | t. | | | | | | |
| | | | | | | | | |
| Wellhead Completion: Pitless adapt | er | | | | | | | |
| Nearest Source of Possible Contamina | ation | | achine Opera ent: Employ | | FRANK PIL | .TZ | | |
| | Distance Direction | Employme | m. Employ | ee | | | | |
| | 64 ft. West | | | | | | | |
| | | | | ter Well Drilling | | Reg No: 4 | 50-0475 | |
| Abandoned Well Plugged: Yes | | | | ANK PILTZ WE CADILLAC, MI | | G | | |
| | | Dusiness | | Well Contra | | rtification | | |
| c | Casing Removed: | | | der my supervi | | | to the best of | |
| | | Signature | of Registere | ed Contractor | | Date | | |
| General Remarks: SCREEN TYPE: ST | | | | | | | | |
| Other Remarks: Screen Fittings:Blank / | Above Screen | | | | | | | |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: 83-2209-27-4302 | Permit No: 83-4439 | County: Wexfo | ord | | Township: | Haring | | |
|--|--|---------------------------------|--------------------------|---|-------------------------------|-----------------------------------|--------------------------|--|
| | | Town/Range: 22N 09W | Section: 27 | Well Status: Active | WSSN | : Source | e ID/Well No: | |
| Well ID: 830000 | 06436 | Distance and D | | | section: | | | |
| | | just west of CTC | | | | | | |
| Elevation: | | | | | | | | |
| Latitude: 44.267363 | | Well Owner: (| Glen Verbrug | ge | <u> </u> | 1 | | |
| Longitude: -85.381614 | | Well Address: 9731 W. 13th S | C+ | | Owner Add 9731 W. 1 | | | |
| Method of Collection: Interpolatio | n-Map | Cadillac, MI 49 | | | Cadillac, N | | | |
| Drilling Method: Rotary | | Pump Inst | alled: Yes | | Pump In | stallation Onl | v: No | |
| | Use: Household | | allation Date | | HP: 0.75 | | y. NO | |
| - | Completed: 6/1/2016 | · · | irer: F.E. I | | Pump Ty | /pe: Submer | sible | |
| | Height: 1.00 ft. above grade | | nber: 3ST | | • | apacity: 12 (| GPM | |
| Casing Joint: Spline joint/CertaLok | | | Length: 8 | | | oltage: 230 | | |
| Casing Fitting: Centralizer | | | Diameter: n Seal Used | | Drilling | Record ID: | | |
| Diameter: 5.00 in. to 124.00 ft. depth S | DR: 21.00 | | Tank Installe | | | | | |
| | | Pressure 1 | Tank Type: | Diaphragm/ | bladder | | | |
| | | Manufactu | irer: Amtro | ol | | | | |
| Borehole: 7.88 in. to 128.00 ft. depth | | | mber: X20 | _ | | apacity: 22.0 |) Gallons | |
| | | Pressure I | Relief Valve | Installed: | Yes | | | |
| Static Water Level: 53.00 ft. Below Gra Well Yield Test: | ade /ield Test Method: Air | | Formatior | Description | I | Thickness | Depth to Bottom | |
| 0.50 hrs. at 12 GPM | | Brown San | | | | 69.00 | 69.00 | |
| | | | d Fine To Me | | | 15.00 | 84.00 | |
| | r Deeleede Vee | | d Clay Grave | | | 3.00 | 87.00 | |
| | r Packed: Yes k: 2.00 ft. Above | Brown San | d Medium To | Coarse | | 41.00 | 128.00 | |
| Screen Material Type: Stainless steel | | | | | | | 1 | |
| Screen Installation Type: Telescoped | | | | | | | | |
| Slot Length S | Set Between | | | | | | | |
| 20.00 4.00 ft. | 124.00 ft. and 128.00 ft. | | | | | | | |
| | | | | | | | | |
| Fittings: Neoprene packer, Bottom plug | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Grouting MaterialBagsAdditiveBentonite slurry12.00None | 0.00 ft. to 118.00 | 0 | emarks: | | | | | |
| Wellhead Completion: 12 inches abo | ove grade | Drilling Ma | achine Oper | ator Name | Travis Flint | ł | | |
| Nearest Source of Possible Contamina | ition: | | ent: Employ | | | | | |
| 51.5 | istance Direction | | | | | | | |
| Septic tank 8 | 4 ft. West | Contracto | - Turner 14/-1 | | 0 | De a Ma | 00.0400 | |
| Abandoned Well Plugged: Yes | | | | ter Well Drillin mas Flint & S | | Reg No: | 83-2489 | |
| Abandoned Well Plugged: Yes | | | | 10213 S 39 Ro | | /II, 49601 | | |
| | | | | | | ertification | | |
| Casing Diameter: 2 in. C Plugging Material: Bentonite chips/pel | asing Removed: No lets | | | | | ision and I her and the well o | eby certify that ode. | |
| No. of Bags: 2.00 | No. of Bags: 2.00 Well Depth: 60 ft. | | | Signature of Registered Contractor Date | | | | |
| General Remarks: | | | | | | | | |
| Other Remarks: | | | | | | | | |





 $\label{eq:completion} Completion \mbox{ is required under authority of Part 127 \mbox{ Act 368 PA 1978}.$

| Tax No: 83-2209-BA-13 | Permit No: 83-7521 | County: Wexfo | ord | 1 | Township: | Haring | | | |
|---|---------------------------------|---------------------------------------|---------------------------------------|---------------------|-------------|----------------|------------|--|--|
| | | | - | Well Status: | WSSN | : Source | D/Well No: | | |
| | 000007 | 22N 09W | 34 | Active | | | | | |
| Well ID: 83000 | 009397 | Distance and D | irection from | n Road Inters | ection: | • | | | |
| | | 9826 13th St | | | | | | | |
| Elevation: | | | | | | | | | |
| Latitude: 44.26674 | | Well Owner: J | lack and Bar | b Baughan | | | | | |
| | | Well Address: | | | Owner Add | ress: | | | |
| Longitude: -85.38012 | | 9826 13th St 9826 13th St | | | | | | | |
| Method of Collection: Address | Matching-House Number | Cadillac, MI 49601 Cadillac, MI 49601 | | | | | | | |
| | | 1 | | | | | | | |
| Drilling Method: Rotary | | | alled: Yes | | • | stallation Onl | y: No | | |
| • | /ell Use: Household | | | e: 3/26/2024 | HP: 0.75 | - | | | |
| Well Type: Replacement D | | irer: Berke | | | pe: Submer | | | | |
| Casing Type: PVC plastic | Height: 1.00 ft. above grade | Model Nur | nber: 3/4 ł | וף 2-w | Pump C | apacity: 10 C | 6PM | | |
| Casing Joint: Spline joint/CertaLok | | Drop Pipe | Length: 1 | 00.00 ft. | Pump V | oltage: 230 | | | |
| Casing Fitting: Centralizer | | Drop Pipe | Diameter: | 1.25 in. | Drilling | Record ID: | | | |
| | Draw Dow | n Seal Used | : No | | | | | | |
| Diameter: 5.00 in. to 135.00 ft. depth | SDR: 21.00 | Pressure 1 | Fank Installe | d: Yes | | | | | |
| | | Pressure 1 | Fank Type: | Diaphragm/b | ladder | | | | |
| | | Manufactu | irer: Amtro | bl | | | | | |
| Borehole: 8.50 in. to 140.00 ft. depth | | Model Nur | nber: 203 | | Tank C | apacity: 32.0 | Gallons | | |
| | | Pressure F | Relief Valve | Installed: | res | | | | |
| | | | | | | | | | |
| Static Water Level: 60.00 ft. Below 0 | Grade | | | | | | Depth to | | |
| Well Yield Test: | Yield Test Method: Air | | Formatior | Description | | Thickness | Bottom | | |
| 0.50 hrs. at 30 GPM | | Tan Sand I | Medium | | | 30.00 | 30.00 | | |
| | | | | lium To Coarse | e Stringers | 15.00 | 45.00 | | |
| | | Tan Sand (| | | o o unigoro | 10.00 | 55.00 | | |
| Screen Installed: Yes Fi | ilter Packed: Yes | Gray Grave | | | | 5.00 | 60.00 | | |
| | ank: 2.00 ft. Above | Tan Sand (| | | | 15.00 | 75.00 | | |
| | | Tan Sand I | | | | 35.00 | 110.00 | | |
| Screen Material Type: Stainless sta Screen Installation Type: Telescop | | | | | | 140.00 | | | |
| | | Tan Sanu I | Tan Sand Medium To Coarse 30.00 140.0 | | | | | | |
| Slot Length | Set Between | | | | | | | | |
| 20.00 5.00 ft. | 135.00 ft. and 140.00 ft. | | | | | | | | |
| | | | | | | | | | |
| Fight Define a | | | | | | | | | |
| Fittings: Neoprene packer, Bottom pl | ug | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | Method: Grout pipe outside casi | ng Geology R | emarks: | | | | | | |
| | tives Depth | | | | | | | | |
| Bentonite slurry 11.00 None | e 0.00 ft. to 125.00 | ft. | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Wellhead Completion: 12 inches | above grade | | | | | | | | |
| | | | achine Opera | | Andrew Ke | rbyson | | | |
| Nearest Source of Possible Contam | ination: | Employme | ent: Employ | ee | | | | | |
| Туре | Distance Direction | Pump Inst | aller: Way | ne Pangborn | | | | | |
| Septic tank | 55 ft. South-Southe | | | | | | | | |
| | | Contracto | r Type: Wat | er Well Drilling | Contractor | Reg No: | 83-2489 | | |
| Abandoned Well Plugged: Yes | | | | mas Flint & So | | | | | |
| | | Business / | Address: 1 | 0213 S 39 Rd | Cadillac, N | /II, 49601 | | | |
| | | | | Well Contra | | | | | |
| | | This well a | | | | under my regis | stration. | | |
| Casing Diameter: 2 in. | Casing Removed: No | | | | , | | | | |
| Plugging Material: Bentonite chips/p | - | | | | | | | | |
| No. of Bags: 2.00 | Well Depth: 100 ft. | | | | | _ | | | |
| | | Signature | of Registere | d Contractor | | Date | | | |
| General Remarks: | | | | | | | | | |
| Other Remarks: | | | | | | | | | |





| Tax No: 2209-BA-012 Perm | nit No: | County: Wexfo | ord | | Township | | |
|--|---------------------------------------|---------------------------|---------------------------------|-----------------|------------------------------|-------------------|------------------|
| | | | Section: | Well Status: | wss | N: Sourc | e ID/Well No: |
| Well ID: 8300000 | 1979 | 22N 09W Distance and D | 34 | Active | | | |
| | 5010 | 9856 EAST 13T | | | |)F BAKER GAI | RAGE |
| Elevation: | | | IT OT LOUGH | | _, | | U.OL |
| Latitude: 44.266599 | | Well Owner: L | OPER, BRU | CE & MAURE | EN | | |
| Longitude: -85.379461 | | Well Address: | | | Owner Ad | | |
| Method of Collection: Interpolation-Ma | p | | | | | RBLER LANE | |
| | | Gradiee (G, Mi | 40001 | | ONDILL | (0, MI 40001 | |
| Drilling Method: Rotary | | Pump Inst | | | • | Installation On | ly: No |
| | : Household npleted: 5/5/1998 | · · | allation Date | | HP: | | roible |
| Casing Type: PVC plastic Heigh | Model Nun | | Jackel | - | Type: Subme Capacity: 0.0 | | |
| Casing Joint: Unknown | n. | | Length: 7 | 5.00 ft. | | Voltage: | |
| Casing Fitting: None | | Drop Pipe | • | | | Record ID: | |
| | | | n Seal Used | | | | |
| Diameter: 5.00 in. to 84.00 ft. depth | | | ank Installe | | | | |
| | | Pressure F | Relief Valve | Installed: | No | | |
| Borehole: 7.87 in. to 89.00 ft. depth | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Static Water Level: 55.00 ft. Below Grade | | | Formation | Description | | Thickness | Depth to |
| | Test Method: Unknown | | 1 onnation | Description | | | Bottom |
| Pumping level 0.00 ft. after 0.00 hrs. at 55 GP | M | Sand Clay | | | | 4.00 | 4.00 |
| | | Sand & Gra | avel | | | 59.00 | 69.00 |
| Screen Installed: Yes Filter Page | :ked: No | Sand | | | | 20.00 | 89.00 |
| | 00 ft. Above | | | | | | |
| Screen Material Type: Stainless steel-wire | wrapped | | | | | | |
| Screen Installation Type: Unknown | | | | | | | |
| | etween | | | | | _ | |
| 20.00 5.00 ft. 84.00 | ft. and 89.00 ft. | | | | | | |
| | | | | | | | |
| Fittings: Neoprene packer | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Well Grouted: Yes Grouting Method | | Geology R | emarks: | | | | |
| Grouting MaterialBagsAdditivesBentonite slurry0.00None | Depth 0.00 ft. to 80.00 ft. | | | | | | |
| None None | 0.00 11. 10 00.00 11. | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adapter | | | | | | | |
| | | | chine Opera | | MICHAEL | | RN |
| Nearest Source of Possible Contamination: Type Distan | | Employme | ent: Unknov | vn | | | |
| TypeDistantSeptic tank65 ft. | South | | | | | | |
| | Couli | Contractor | Type: Wat | er Well Drillin | g Contracto | or Reg No: | 83-2175 |
| | | Business I | Name: | | • | C | |
| | | Business / | | | | | |
| | | | | | | Certificatior | |
| | | | as drilled und dge and belie | | rision and t | his report is tru | e to the best of |
| | | | | | | | |
| | | Signature | of Docioto | d Contractor | | Dete | |
| General Remarks: LOC DESC, ADDRESS, I | AT LONG, AH 11/30/2023 | | or Registere | ed Contractor | | Date | |
| Other Remarks: | 0110,71111/00/2020 | - | | | | | |
| EQP-2017 (4/2010) Page 1 of | 1 | | | | | LHD 2/18 | /2000 11:33 PM |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: | Permit No: 27415 | County: Wexfo | ord | | Township: | | |
|---|-------------------------------|---|---------------------------------|------------------|---------------------|-------------------------|--------------------|
| | | J | Section: | Well Status: | WSSN | Source | e ID/Well No: |
| Well ID: 830000 | 03696 | 22N 09W Distance and D | 34 | Active | section: | | |
| | | BAKER'S ACRE | | | Section. | | |
| Elevation: | | | | | | | |
| Latitude: 44.266526 | | Well Owner: E | BRUCE & MA | UREEN LOP | | | |
| Longitude: -85.37946 | | Well Address: | | | Owner Add | | |
| Method of Collection: Interpolation | on-Map | 9856 EAST 13 MI | INSIREEI | | - | BLER LANE , MI 49601 | |
| | | | | | | - | |
| Drilling Method: Rotary Well Depth: 89.00 ft. Well | I Use: Household | Pump Inst | | | Pump In HP: 0.50 | stallation Onl | y: No |
| | e Completed: 5/5/1998 | Pump Installation Date:HP: 0.50Manufacturer:Red JacketPump Type:Submersible | | | | | |
| / · | | | nber: | | | apacity: 12 0 | |
| Casing Joint: Unknown | - | Drop Pipe | Length: 7 | 5.00 ft. | Pump Vo | | |
| Casing Fitting: Unknown | | Drop Pipe | | | Drilling F | Record ID: | |
| Dismotory 5.00 in to 04.00 ft doubt | | | n Seal Used ank Installe | | | | |
| Diameter: 5.00 in. to 84.00 ft. depth | | | ank installe ank Type: | | | | |
| | | | rer: Well- | | | | |
| Borehole: 7.90 in. to 89.00 ft. depth | | Model Nur | | | Tank Ca | apacity: 9.9 | Gallons |
| | | Pressure F | Relief Valve | Installed: | No | | |
| Statia Water Level: 55.00 ft Delaw Cr | ada | | | | | 1 | - |
| Static Water Level: 55.00 ft. Below Gra Well Yield Test: | ade Yield Test Method: Air | | Formation | Description | | Thickness | Depth to Bottom |
| 0.75 hrs. at 55 GPM | | Sand | | | | 4.00 | 4.00 |
| | | Clay | | | | 6.00 | 10.00 |
| | | Sand & Gra | avel | | | 59.00 | 69.00 |
| | er Packed: Yes | Sand | | | | 20.00 | 89.00 |
| | k: 2.00 ft. Above | | | | | | 1 |
| Screen Material Type: PVC-wire wrap Screen Installation Type: Telescoped | | | | | | | |
| | Set Between | | | | | | |
| 20.00 5.00 ft. | 84.00 ft. and 89.00 ft. | | | | | | |
| | | | | | | | |
| Fittings: Neoprene packer | | | | | | | |
| Fittings. Neoplene packer | | | | | | | |
| | | | | | | | |
| Well Grouted: Yes Grouting Me | ethod: Unknown | Geology R | emarks: | | | | |
| Grouting Material Bags Additiv | • | | | | | | |
| Bentonite slurry 6.00 None | 0.00 ft. to 80.00 ft | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adapt | er, 12 inches above grade | | | | | | |
| | ý G | Drilling Ma | chine Oper | ator Name: | MICHAEL | MAC EACHER | N |
| Nearest Source of Possible Contamina | | Employme | nt: Employ | ree | | | |
| 51. | Distance Direction | | | | | | |
| Septic tank 6 | 5 ft. South | Contractor | Type: Wat | ter Well Drillin | a Contractor | Reg No: | 83-2175 |
| | | | | STL WELL DR | | | 00 2 0 |
| | | Business | Address: | | | | |
| | | | | | | ertification | |
| | | | as drilled une dge and belie | | rision and thi | s report is true | to the best of |
| | | | | | | | |
| | | Gianatura | of Posister | d Contract- | | Date | |
| General Remarks: | | joignature | or registere | ed Contractor | | Date | |
| Other Remarks: | | | | | | | |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: | Permit No: 27414 | County: Wexfo | | | Township: | Haring | |
|--|----------------------------------|------------------------------|---------------------------------|------------------------|---------------|--------------------------|----------------|
| | | Town/Range: 22N 09W | Section: 34 | Well Status: Active | WSSN: | Source | ID/Well No: |
| Well ID: 830000 | 03693 | Distance and D | _ | | ection: | | |
| | | BAKER'S ACRE | S 11 | | | | |
| Elevation: | | | | | | | |
| Latitude: 44.266526 | | Well Owner: E | RUCE & MA | | | | |
| Longitude: -85.378982 | | Well Address: | | | Owner Add | | |
| Method of Collection: Interpolation | on-Map | 9886 EAST 13 CADILLAC, MI | - | | CADILLAC | 13TH STREE , MI 49601 | = 1 |
| Drilling Method: Rotary | | Pump Inst | alled: Yes | | Pump Ins | stallation Onl | v No |
| | II Use: Household | | allation Date | | HP: 0.50 | | , |
| | e Completed: 8/3/1998 | | rer: Red | | Pump Ty | pe: Submers | sible |
| | Height: | Model Nur | nber: | | | pacity: 10 G | |
| Casing Joint: Unknown | | Drop Pipe | Length: 8 | 0.00 ft. | Pump Vo | Itage: | |
| Casing Fitting: Unknown | | Drop Pipe | | | Drilling R | ecord ID: | |
| | | | n Seal Used | | | | |
| Diameter: 5.00 in. to 86.00 ft. depth | | | ank Installe | | | | |
| | | | ank Type: rer: Well-3 | | | | |
| Borehole: 7.90 in. to 91.00 ft. depth | | Model Nur | | A-1101 | Tank Ca | pacity: 10.0 | Gallons |
| | | | Relief Valve | Installed: | No | pacity. 10.0 | Calloris |
| Static Water Level: 55.00 ft. Below Gr | rade | | | <u> </u> | | | Depth to |
| Well Yield Test: | Yield Test Method: Unknown | | Formation | Description | | Thickness | Bottom |
| 0.75 hrs. at 50 GPM | | Clay | | | | 8.00 | 8.00 |
| | | Sand & Gra | | | | 54.00 | 62.00 |
| | | Clay & San | d | | | 8.00 | 70.00 |
| eereen metanear 100 | er Packed: Yes | Sand | | | | 21.00 | 91.00 |
| | nk: 2.00 ft. Above | | | | | | |
| Screen Material Type: PVC-wire wra Screen Installation Type: Telescoped | | | | | | | |
| Slot Length | Set Between | | | | | | |
| | 86.00 ft. and 91.00 ft. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Fittings: Neoprene packer | | | | | | | |
| | | | | | | | |
| Well Grouted: Yes Grouting M | ethod: Unknown | Geology R | omarke | | | | |
| Grouting Material Bags Addition | | Geology K | eniarks. | | | | |
| Unknown 6.00 None | ves Deptil | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adap | ter, 12 inches above grade | | | | | | |
| | | - | chine Opera | | MICHAEL N | AC EACHER | N |
| Nearest Source of Possible Contamin | | Employme | nt: Employ | ee | | | |
| 21 · · | DistanceDirection55 ft.Southwest | | | | | | |
| | Jon. Journwest | Contractor | Type: Wat | er Well Drilling | Contractor | Reg No: 8 | 83-2175 |
| | | | | STL WELL DR | | | |
| | | Business | | | | | |
| | | | Water \ | Nell Contra | actor's Ce | ertification | |
| | | | as drilled und Ige and belie | | sion and this | s report is true | to the best of |
| | | Signature | of Registere | d Contractor | | Date | |
| General Remarks: | | | | | | | |
| Other Remarks: | | | | | | | |





| Tax No: | Permit No: | | County: Wexfo | ord | | Township | : Haring | |
|--------------------------------------|----------------------|----------------|------------------------------|---------------|-----------------|------------|------------------------|-------------------|
| | • | | Town/Range: | Section: | Well Status: | WSS | N: Sou | ce ID/Well No: |
| | 007060 | | 22N 09W | 27 | Active | - | 21183 | 001 |
| Well ID: 83000 | 007260 | | Distance and D | irection fro | m Road Inter | section: | | |
| Flourations | | | APPROX 200' N | OF CURVE | OF E 13TH S | ST AND 36 | RD | |
| Elevation: | | | | | | | | |
| Latitude: 44.26757 | | | Well Owner: \ | VEXFORD-N | AISSAUKEE I | | | |
| Longitude: -85.37727 | | | Well Address: | . | | Owner Ad | | |
| Method of Collection: Interpola | tion-Satellite Image | rv | 9905 E 13TH S CADILLAC, M | | | 9907 E 1 | 31H S1 AC, MI 49601 | |
| | | , | OADIELAO, M | 140001 | | OADILLA | (O, MI 43001 | |
| Drilling Method: Unknown | | | Pump Inst | alled: Ye | S | Pump I | Installation O | nly: No |
| Well Depth: ft. W | ell Use: Type II p | ublic | Pump Inst | allation Dat | e: | HP: | | |
| Well Type: Unknown Da | ate Completed: | | Manufactı | irer: Unkn | iown | | Type: Unkno | own |
| Casing Type: Steel - unknown Height: | | | Model Nur | nber: | | | Capacity: | |
| Casing Joint: | | | Drop Pipe | • | | | Voltage: | |
| Casing Fitting: | | | | Diameter: | | Drilling | g Record ID: | |
| | | | | n Seal Used | | | | |
| Diameter: 4.00 in. to | | | | Tank Installe | | | | |
| | | | | | Unknown (E | Buried) | | |
| | | | Manufactu | _ | iown | | | |
| Borehole: | | | Model Nur | | | | Capacity: | |
| | | | Pressure | Relief Valve | Installed: | Unknown | | |
| Static Water Level: Below Grade | | | | | | | 1 | Dawth to |
| Well Yield Test: | Yield Test Metho | d. Unknown | | Formation | n Description | l | Thicknes | S Depth to Bottom |
| | | d. Onknown | Topsoil | | | | 0.00 | 0.00 |
| | | | . op com | | | | 0.00 | 0.00 |
| | | | | | | | | |
| Screen Installed: Unknown | | | | | | | | |
| | ank: | | | | | | | |
| Screen Material Type: | | | | | | | | |
| Screen Installation Type: | | | | | | | | |
| Slot Length | Set Between | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Fittings: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Well Grouted: | | | Geology R | lemarks: | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Wellhead Completion: 12 inches a | above grade | | _ | | | | | |
| | Seve glude | | Drilling Ma | achine Oper | ator Name: | | | |
| Nearest Source of Possible Contami | nation: | | - | ent: Unknov | | | | |
| Туре | Distance | Direction | | - | | | | |
| Sewer line | 60 ft. | North-Northw | est | | | | | |
| Septic tank | 175 ft. | West | | r Type: Unk | nown | | Reg No |): |
| Abandoned Well Plugged: Unknow | 'n | | Business | | | | | |
| | | | Business | | | | | |
| | | | | Water | Well Contr | actor's (| Certificatio | n |
| | | | This well a | nd/or pump i | nstallation was | s performe | d under my re | gistration. |
| | Casing Removed | : | | | | | | |
| | | | | | | | | |
| | | | Signature | of Register | ed Contractor | r | Date | 9 |
| General Remarks: LHD creation of w | ell log record 5-5-2 | 2 based on ava | | | | | | |
| Other Remarks: | | | | | | | | |





| Tax No: | Permit No: | County: Wexfe | ord | - | Township: | | |
|--|---|---|----------------------------|------------------|--------------|--------------------------|--------------------|
| | | Town/Range: | Section: | Well Status: | | | e ID/Well No: |
| Well ID: 830000 | 03245 | 22N 09W Distance and D | 27 Direction from | Active | 2015 | 583 | 001 |
| | | Distance and L | | | Section. | | |
| Elevation: | | | | | | | |
| Latitude: 44.2688 | | Well Owner: \ | NEXFORD-N | /ISS. SPECIA | | - | |
| Longitude: -85.37945 | | Well Address: | | | Owner Add | | |
| Method of Collection: Address M | latching-House Number | 9905 EAST 13TH STREET CADILLAC, MI 49601 9905 EAST 13TH STREE CADILLAC, MI 49601 | | | | | ET |
| | 5 | | 10001 | | O, (DILL) (O | , 111 10001 | |
| Drilling Method: Unknown | ··· – ·· ··· | Pump Inst | | | | stallation Onl | y: No |
| | I Use: Type II public e Completed: 8/29/2002 | Pump Inst Manufactu | allation Date | | HP: 15.0 | 0 / pe: Submer | aibla |
| | Height: 1.00 ft. above grade | | mber: 15-1 |) | | apacity: 150 | |
| Casing Joint: Unknown | | | Length: 1 | | - | oltage: 140 | |
| Casing Fitting: Unknown | | | Diameter: | | | Record ID: | |
| | | | n Seal Used | | | | |
| Diameter: 6.00 in. to 140.00 ft. depth | | | Tank Installe | | bladdar | | |
| | | Manufactu | | Diaphragm/l | biauuei | | |
| Borehole: | | | mber: IXA | | Tank Ca | apacity: 528 | .0 Gallons |
| | | Pressure I | Relief Valve | Installed: | No | | |
| Quarties Warting Langel 70,000 (1, Darland Or | - 1- | | | | | 1 | |
| Static Water Level: 72.00 ft. Below Gr Well Yield Test: | ade Yield Test Method: Air | | Formation | n Description | | Thickness | Depth to Bottom |
| Pumping level 130.00 ft. after 2.50 hrs. a | | Tan Sand | Fine | | | 8.00 | 8.00 |
| | | Light Brow | | | | 7.00 | 15.00 |
| | | | avel Medium | | | 60.00 | 75.00 |
| | er Packed: No | Gravel & S | and Fine To | Medium | | 75.00 | 150.00 |
| Screen Diameter: 5.00 in. Blan Screen Material Type: Stainless stee | | | | | | | |
| Screen Installation Type: Unknown | | | | | | | 1 |
| | Set Between | | | | | | |
| 30.00 10.00 ft. | 140.00 ft. and 150.00 ft. | | | | | | |
| | | | | | | | |
| Fittings: Unknown | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| C C | ethod: Unknown | Geology R | Remarks: | | | | |
| Grouting Material Bags Additiv Bentonite slurry None | ves Depth 0.00 ft. to 134.00 | ft | | | | | |
| None None | 0.00 11. 10 104.00 | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adapt | ter | | | | | | |
| Nearest Source of Possible Contamina | ation | _ | achine Oper ent: Unknov | | DENNIS YO | ONKMAN | |
| | Distance Direction | | FILL UNKNO | | | | |
| | 200 ft. North | | | | | | |
| | | | | ter Well Drillin | | Reg No: | 57-1943 |
| Abandoned Well Plugged: No | | Business Business | | ARSON DRILL | LING INC | | |
| Reason Not Plugged: Unknown | | Busiliess | | Well Contr | actor's Ce | ertification | |
| | | | as drilled un | der my superv | | | to the best of |
| | | my knowle | dge and belie | əf. | | | |
| | | | | | | | |
| Canaral Remarka: | | Signature | of Registere | ed Contractor | | Date | |
| General Remarks: Other Remarks: | | | | | | | |
| L | | | | | | | |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: | Permit No: 24360 | County: Wexfo | ord | - | Township: | Haring | | | |
|--|--|----------------|---|-------------------|--------------|------------------|----------------|--|--|
| | | , | | Well Status: | WSSN | | D/Well No: | | |
| | 000004 | 22N 09W | 34 | Active | | | | | |
| Well ID: 83000 | JU3691 | Distance and D | Direction fro | m Road Inters | ection: | • | | | |
| | | 9960 EAST 13T | H STREET, | BAKERS ACR | ES 08 | | | | |
| Elevation: | | | | | | | | | |
| Latitude: 44.266532 | | Well Owner: F | ROBERT E. I | HOWELL | | | | | |
| Longitude: -85.377292 | | Well Address: | | | Owner Add | ress: | | | |
| Method of Collection: Interpolat | ion-Man | 9960 EAST 13 | | | | H CROSBY R | OAD | | |
| | | CADILLAC, MI | 1 4960 1 | | CADILLAC | C, MI 49601 | | | |
| Drilling Method: Rotary | | Pump Inst | alled: Ye | S | Pump In | stallation Onl | y: No | | |
| Well Depth: 163.00 ft. We | ell Use: Household | Pump Inst | allation Dat | e: | HP: 1.00 |) | | | |
| | te Completed: 6/20/1996 | Manufactu | irer: Flint | & Walling | Pump Ty | pe: Submer | sible | | |
| Casing Type: PVC plastic | Height: | Model Nur | nber: | | Pump Ca | apacity: 10 C | GPM | | |
| Casing Joint: Unknown | | | Length: 1 | 40.00 ft. | Pump V | - | | | |
| Casing Fitting: Unknown | | | Diameter: | | Drilling | Record ID: | | | |
| | | | n Seal Used | | | | | | |
| Diameter: 5.00 in. to 156.00 ft. depth | | | Tank Installe | | | | | | |
| | | | Tank Type: | Rite-Flexcon | | | | | |
| Perchala: 8 50 in to 162 00 ft donth | | Model Nur | | Rile-Flexcon | Tank C | anaaituu | | | |
| Borehole: 8.50 in. to 163.00 ft. depth | | | Relief Valve | Installed. | No | apacity: | | | |
| | | | | instanca. | | | | | |
| Static Water Level: 81.00 ft. Below G | irade | | | B 1.41 | | | Depth to | | |
| Well Yield Test: | Yield Test Method: Air | | Formation | n Description | | Thickness | Bottom | | |
| | | Topsoil | | | | 1.00 | 1.00 | | |
| | | Sand | | | | 3.00 | 4.00 | | |
| | | | y Gravel San | d | | 11.00 | 15.00 | | |
| | ter Packed: Yes | Sand & Gra | | | | 61.00 | 76.00 | | |
| | nk: 2.00 ft. Above | | el Clay String | * | | 22.00 | 98.00 | | |
| Screen Material Type: Stainless ste | | | Sand & Gravel Stringers 22.00 120.0 Sand & Gravel 43.00 163.0 | | | | | | |
| Screen Installation Type: Telescope Slot Length | | Sand & Gra | avei | | | 43.00 | 163.00 | | |
| Slot Length 12.00 5.00 ft. | Set Between 158.00 ft. and 163.00 ft. | | | | | | | | |
| 12.00 5.00 ft. | 136.00 ft. and 163.00 ft. | | | | | | | | |
| | | | | | | | | | |
| Fittings: None | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Well Grouted: Yes Grouting M | lethod: Unknown | Geology R | Remarks: | | | | | | |
| Grouting Material Bags Addit | ives Depth | | | | | | | | |
| Bentonite slurry 8.00 None | 0.00 ft. to 148.00 | ft. | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Wellhead Completion: Pitless adapt | oter, 12 inches above grade | Drilling M | achine Oper | ator Namo: | RIVARD | | | | |
| Nearest Source of Possible Contami | nation | - | ent: Employ | | NIVARU | | | | |
| Type | Distance Direction | | Employ | | | | | | |
| Unknown | | | | | | | | | |
| | | | | ter Well Drilling | | | 83-1981 | | |
| | | Business | Name: JIM | JEFFERS WA | TER WELL | DRILLIN | | | |
| | | Business . | | | | | | | |
| | | | | Well Contra | | | | | |
| | | | | der my supervi | sion and thi | s report is true | to the best of | | |
| | | my knowle | dge and beli | er. | | | | | |
| | | | | | | | | | |
| | | | of Register | ed Contractor | | Date | | | |
| General Remarks: LOC DESC, ADDR | RESS. SCRN MAT, LAT LONG, A | AH 12/1/2023 | | | | | | | |
| Other Remarks: | | | | | | | | | |





| Tax No: | Permit No: | County: Wexfo | ord | | Township: | Haring | | |
|--|----------------------------|---|----------------|------------------------|--------------|---------------|--------------------|--|
| | | Town/Range: 22N 09W | Section: 27 | Well Status: Active | WSSN | : Sourc | e ID/Well No: | |
| Well ID: 830000 |)08811 | Distance and D | | | section: | | | |
| Elevation: | | | | | | | | |
| Latitude: 44.269362 | | Well Owner: | | | | | | |
| | | Well Address: Owner Address: | | | | | | |
| Longitude: -85.381874 | | 4835 JOHN R | RD | | 4835 JOHI | | | |
| Method of Collection: Interpolation | on-Map | CADILLAC, MI | 49601 | | CADILLAC | C, MI 49601 | | |
| Drilling Method: Rotary | | Pump Inst | alled: Ye | 6 | Pump In | stallation On | ly: No | |
| | II Use: Household | | allation Dat | | HP: 0.75 | | | |
| | e Completed: 1/1/1979 | | Irer: Flint | & Walling | | /pe: Subme | | |
| Casing Type: Unknown Casing Joint: Welded | Height: | Model Nur | | 9 00 ft | | apacity: 15 | 3PM | |
| Casing Fitting: Drive shoe | | Drop Pipe Length: 99.00 ft. Pump Voltage: 24 Drop Pipe Diameter: Drilling Record ID: | | | | | | |
| | | | n Seal Used | : Unknown | - | | | |
| Diameter: 4.00 in. to | | | Tank Installe | | | | | |
| | | Pressure | Relief Valve | installed: | Unknown | | | |
| Borehole: | | | | | | | | |
| | | | | | | | | |
| Static Water Level: 75.00 ft. | | | | | | 1 | Donth to | |
| | Yield Test Method: Unknown | n | Formation | n Description | | Thickness | Depth to Bottom | |
| | | Sand | | | | 60.00 | 60.00 | |
| | | Gravel | | | | 30.00 | 90.00 | |
| Unnextricted Flow Deter | | Sand | | | | 40.00 | 130.00 | |
| Unrestricted Flow Rate: Screen Installed: Yes Filte | er Packed: Unknown | | | | | | | |
| Screen Diameter: 3.75 in. Blar | | | | | | | | |
| Screen Material Type: Stainless stee | l-wire wrapped | | | | | | | |
| Screen Installation Type: Unknown | | | | | | | | |
| | Set Between | | | | | | | |
| 10.00 4.00 ft. | | | | | | | | |
| | | | | | | | | |
| Fittings: Neoprene packer | | | | | | | | |
| | | | | | | | | |
| | | Geology R | lemarks: | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Wellhead Completion: Pitless adapt | ter | | | | | | | |
| Nearest Source of Possible Contamin | ation: | Drilling Ma | achine Oper | ator Name: | | | | |
| 21 · · | Distance Direction | - | ent: Unknov | | | | | |
| Septic tank 7 | 70 ft. West | Contracto | | | | DenN | 04.0540 | |
| Abandoned Well Plugged: Unknown | | Business | | ter Well Drilling | y contractor | Reg No: | 04-0519 | |
| Abandoned wen Flugged. Onknown | | | | CADILALC, MI | I | | | |
| | | | | Well Contra | | ertification | | |
| | | This well a | nd/or pump i | nstallation was | s performed | under my regi | stration. | |
| | Casing Removed: | | | | | | | |
| | | C i | of Decision | d Cont | _ | D _4 | | |
| General Remarks: | | Signature | of Registere | ed Contractor | ſ | Date | | |
| Other Remarks: | | | | | | | | |





| Tax No: 2209-PP-011 | Permit No: 28424 | County: Wexf | - | | Township: | Ť | | |
|---|--|---------------------------|--------------------------|-------------------------|---------------|----------------|--------------------|--|
| | | Town/Range: | Section: | Well Status: | WSSN | Source | e ID/Well No: | |
| Well ID: 83000 | 02354 | 22N 09W Distance and [| 27 Direction fro | Active m Road Inters | section: | | | |
| Elevation: | | | | | | | | |
| Latitude: 44.269024 | | Well Owner: | Raymond Mc | odders | | | | |
| | | Well Address: | | | Owner Add | ress: | | |
| Longitude: -85.381958 | | 4843 John Rd | . Rd. | | 10544 Eas | | | |
| Method of Collection: Interpolati | on-Map | MI | | | Cadillac, N | 11 49601 | | |
| Drilling Method: Hollow Rod | | Pump Ins | talled: Ye | S | Pump In: | stallation Onl | y: No | |
| • | II Use: Irrigation | Pump Ins | tallation Dat | e: | HP: 0.50 | | - | |
| | te Completed: 9/21/1998 | Manufact | | Jacket | | vpe: Submer | | |
| Casing Type: PVC plastic | Height: | | mber: CNO | | | apacity: 100 | GPM | |
| Casing Joint: Solvent welded/glued Casing Fitting: Shale packer/trap | | | E Length: 8 Diameter: | ο.οο π. | Pump Vo | Record ID: | | |
| Casing Fitting. Shale packel/trap | | | n Seal Used | I: No | Drining r | vecoru iD. | | |
| Diameter: 4.00 in. to 90.00 ft. depth | | Pressure | Tank Installe | ed: Yes | | | | |
| | | Pressure | Tank Type: | Unknown | | | | |
| | | | urer: Well- | | | | | |
| Borehole: 4.00 in. to 94.00 ft. depth | | | mber: 14W | | | apacity: 47.0 |) Gallons | |
| | | Pressure | Relief Valve | Installed: | No | | | |
| Static Water Level: 60.00 ft. Below G Well Yield Test: | rade Yield Test Method: Bailer | | Formatio | n Description | | Thickness | Depth to Bottom | |
| Pumping level 60.00 ft. after 0.50 hrs. a | | Brown Sar | nd Silty Fine | | | 8.00 | 8.00 | |
| | | Brown Cla | | | | 3.00 | 11.00 | |
| | | | , Fine To Med | ium | | 49.00 | 60.00 | |
| Screen Installed: Yes Filt | er Packed: No | Tan Sand | Medium | | | 34.00 | 94.00 | |
| | nk: 1.50 ft. | | | | | | | |
| Screen Material Type: Stainless stee | el-wire wrapped | | | | | | | |
| Screen Installation Type: Attached | Cat Daturaan | | | | | | | |
| Slot Length 7.00 4.00 ft. | Set Between 90.00 ft. and 94.00 ft. | | | | | | | |
| 4.00 11. | 90.00 ft. and 94.00 ft. | | | | | 1 | | |
| | | | | | | | | |
| Fittings: Neoprene packer | | | | | | | Î | |
| | | | | | | | | |
| | | | <u> </u> | | | | | |
| Well Grouted: Yes Grouting M Grouting Material Bags Additi Bentonite dry granular 5.00 None | lethod: Other ves Depth | Geology F | Remarks: | | | | | |
| Wellhead Completion: Pitless adap | oter, 12 inches above grade | | | | | | | |
| Neevent Source of Describle Contemin | otion. | • | achine Oper | | Eric Sheple | er | | |
| Nearest Source of Possible Contamir Type | Distance Direction | Employm | ent: Employ | lee | | | | |
| | 50 ft. West | | | | | | | |
| | | | | ter Well Drilling | | Reg No: | 83-2115 | |
| Abandoned Well Plugged: No | | Business | Name: She | epler Well Drilli | | - | | |
| Reason Not Plugged: Unknown | | Business | | | | | | |
| | | | | | | | to the best of | |
| | | Signature | of Register | ed Contractor | | Date | | |
| General Remarks: | | | | | | | | |
| Other Remarks: Grouting Method:add | | | | | | | | |
| EQP-2017 (4/2010) Page | e 1 of 1 | | | 5 | State of Mich | igan 5/13/2 | 2002 10:09 AM | |





| Tax No: 83-2209-PP-12 | Permit No: 83-5262 | County: Wexfe | ord | | Township: | | | |
|--|---|--|---------------------------|-----------------|--------------|----------------------------|----------------|--|
| | | Town/Range: | Section: | Well Status: | WSSN | : Sourc | e ID/Well No: | |
| Well ID: 830000 | 06820 | 22N 09W | 27 | Active | | | | |
| | 00020 | Distance and D 4879 John Rd | Direction from | n Road Inters | section: | | | |
| Elevation: | | 407 5 50111 10 | | | | | | |
| Latitude: 44.26857 | | Well Owner: | Bob Raden | | | | | |
| Longitude: -85.382057 | | Well Address: | | | Owner Add | lress: | | |
| Method of Collection: Address Ma | atching-House Number | 4879 John Rd | | | 4879 John | | | |
| | atoming house Number | Cadillac, MI 49 | 9001 | | Cadillac, N | /11 4960 1 | | |
| Drilling Method: Rotary | | Pump Inst | | | • | stallation Or | lly: No | |
| | Use: Household | Pump Installation Date: 5/14/2019 HP: 0.75 Manufacturer: A.Y. McDonald Pump Type: Submersible | | | | | | |
| | Completed: 5/10/2019 | | | | | ype: Subme | | |
| Casing Type: PVC plastic I Casing Joint: Spline joint/CertaLok | Height: 1.00 ft. above grade | | mber: 3/4H • Length: 1 | | - | apacity: 10 oltage: 230 | | |
| Casing Fitting: Centralizer | | | Diameter: | | - | Record ID: | | |
| | | | n Seal Used | | 5 | | | |
| Diameter: 5.00 in. to 115.00 ft. depth S | DR: 21.00 | Pressure | Tank Installe | d: Yes | | | | |
| | | | | Diaphragm/ | bladder | | | |
| | | | urer: Other | • | Taulo | | 0.0.1 | |
| Borehole: 7.88 in. to 120.00 ft. depth | | | mber: xxx Relief Valve | Installad: | Yes | apacity: 22 | 0 Gallons | |
| | | Tressure | | instancu. | 105 | | | |
| Static Water Level: 57.00 ft. Below Gra | ade | | Formation | Description | | Thickness | Depth to | |
| | field Test Method: Air | | | Description | | | Bottom | |
| 0.50 hrs. at 12 GPM | | Red Clay & | & Sand | | | 8.00 | 8.00 | |
| | | Tan Sand | & Gravel Coa | | | 27.00 25.00 | 35.00 60.00 | |
| Screen Installed: Yes Filte | r Packed: Yes | Tan Sand | | lise | | 20.00 | 80.00 | |
| | k: 2.00 ft. Above | | Medium To C | oarse | | 40.00 | 120.00 | |
| Screen Material Type: Stainless steel | -slotted | | | | | | | |
| Screen Installation Type: Telescoped | | | | | | | | |
| 5 | Set Between | | | | | | | |
| 20.00 5.00 ft. | 115.00 ft. and 120.00 ft. | | | | | | | |
| | | | | | | | | |
| Fittings: Neoprene packer, Bottom plug | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | thod: Grout pipe outside casi | ng Geology F | Remarks: | | | | | |
| Grouting Material Bags Additive Bentonite slurry 25.00 None | es Depth 0.00 ft. to 105.00 f | f4 | | | | | | |
| Bentonite slurry 25.00 None | 0.00 11. 10 103.00 1 | | | | | | | |
| | | | | | | | | |
| Wellhead Completion: 12 inches abo | ove grade | | | | | | | |
| | | - | achine Opera | | Andrew Ke | erbyson | | |
| Nearest Source of Possible Contamina | | Employme Pump Inst | ent: Employ | | | | | |
| 21° - | istance Direction 00 ft. North-Northea | · · · · | taller: way | ne Pangborn | | | | |
| | | Contracto | r Type: Wat | er Well Drillin | g Contractor | Reg No: | 83-2489 | |
| Abandoned Well Plugged: Yes | | Business | Name: Tho | mas Flint & S | on Inc | _ | | |
| | | Business | | 0213 S 39 R | | | | |
| | | _ | | Well Contr | | | | |
| Cooling Diamotory | acing Domovade No. | This well a | nd/or pump ir | nstallation was | s pertormed | under my reg | istration. | |
| Casing Diameter: 4 in. C Plugging Material: Bentonite chips/pel | asing Removed: No | | | | | | | |
| | /ell Depth: 26 ft. | Signature | of Pogiators | d Contracto | | Data | | |
| General Remarks: | | Joignature | or Registere | ed Contractor | 1 | Date | | |
| Other Remarks: Tank Manufacturer:Use | ed Existing tank | | | | | | | |
| | 1 of 1 | | | | Contra | actor 5/2 | 8/2019 9:16 AM | |





 $\label{eq:completion} Completion \mbox{ is required under authority of Part 127 \mbox{ Act 368 PA 1978}.$

| Number of the section: Description Townshamp: Section: Well Status: Well Status: Source IDWell No: 220.00% 220.00% 220.00% 220.00% 200.00% <th>Tax No: 2209-PP-18</th> <th>Permit No: 83-2610</th> <th>County: Wexfe</th> <th>ord</th> <th></th> <th>Township:</th> <th>Haring</th> <th></th> | Tax No: 2209-PP-18 | Permit No: 83-2610 | County: Wexfe | ord | | Township: | Haring | |
|---|-----------------------------------|--|---------------|--------------|-------------------|--------------|---------------|---|
| Well ID: 83000005320 Elevation: Latiuds: 44 26866 Longituds: 85 38242 Method of Collection: GPS Std Pastioning Svc SA Off Diffing Method: Rotary Well Owner: CHAO GUO ZHEM Well Type: Nother Balled: Transfer Method: Char Diameter: 5:00 ft. Below Grade Well Type: Statiste S | | | | - | | | ĕ | D/Well No |
| Weil TL2: SJUUUUUUSSJUU Elevation: Latitude: 44 26856 Longitude: 45 28242 Method of Collection: Weil Madress: Add JOHN R. RD. Bard JOHN R. RD. Weil Address: Market of Collection: Drilling Method: Rotary John Weil Dagh:: Static Market Barden John R. B. D. Diameter:: 5.00 hr. b94:00 ft. depth Diameter:: 5.00 hr. b94:00 ft. depth Diameter:: 5.00 hr. b94:00 ft. depth Purpping Installed:: Yes Static Water Level: 5.00 ft. depth Purpping Installed:: Yes Static Water Level: 5.00 ft. depth Purpping Installed:: Yes Static Water Level: 5.00 ft. depth Purpping Installed:: Yes Static Water Level: Filter Packed: Yes Screen Installed:: Yes Static Water Level: Filter Packed: Yes Screen Installed:: Yes Bank:: 15 0ft. Movee Screen Installation Type: Sord Cout pip | | ~~~~~~ | - | | | | | |
| Elevation: 484 JOHN R. RD. Latitude: 44 26856 Well Owner: CHAO GUO ZHEM Method of Collection: GPS Std Positioning Svc SA Off Drilling Method: Rots of Collection: GPS Std Positioning Svc SA Off Vell Owner: CHAO GUO ZHEM Drilling Method: Rots of Collection: GPS Std Positioning Svc SA Off Vell Owner: CHAO GUO ZHEM 4974 MVR AVE, RD. Drilling Method: Rots of Collection: GPS Std Positioning Svc SA Off Vell Owner: CHAO GUO ZHEM 4974 MVR AVE, RD. Casing fifts, Stool n. Date Completed: 731/2007 Pump Installation Date: 773/2007 Pum Distallation Date: 773/2007 Pum Stop Stop Stop Stop Stop Stop Stop Stop | Well ID: 830 | 00005320 | | | | ection: | | |
| Elevation: CHAO GUO ZHEM Latitude: 44.28866 Well Address: Longitude: 45.38242 Method of Collection: GPS Std Positioning Svc SA Off Well Owner: CHAO GUO ZHEM Drilling Method: Rotary Well Use: Household Address: Address: Stabl JOHN R. RD. CADILLAC, MI 49801 Address: Address: Casing Type: New Date Completed: 7/31/2007 Pump Installation Date: 7/31/2007 Pump Distallation Date: 7/31/2007 Casing Joint: Solvent weldedglued Casing Chint: Solvent weldedglued Drop Pipe Length: 80.00 ft. Pump Chage: Dump Chage: Casing Joint: Solvent weldedglued Pump Chage: Diffiling Method: Solvent weld Ref Pickoon Model Number: Usi-Sol Dimeter: 1.25 in. Diffiling Method: Ves Borehole: 8.50 In. to 98.00 ft. depth Pressure Tank Installed: Yes Pressure Tank Installed: Yes Diffiling Method: Sol Dimeter: 2.50.00 ft. Below Grade Well Valve Installed: Yes State Water Level: SS.00 ft. Below Grade Tank Capacity: 35.0 Galons Screen Installed: Yes State Sol Coll t. alter 0.50 hrs. at 15 GPM Stand Medium To Coartse 45.00 98.00 Screen Installed: Yes Standestoted Sol.00 Sol.00 Sol.00 Sol.00 Sol.00 Screen In | | | | | | | | |
| Longitude: -85.38242 Weil Address: Owner Address: Bit JOHN R. RD. CADILLAC, MI 49801 -474 MYER Address: -474 MYER Address: -474 MYER Address: Drilling Method: Rotary Weil Use: Household -471 MYER Address: Casing Type: New Date Completed: 7/31/2007 Pump Installation Date: 7/31/2007 Casing Type: None Date Completed: 7/31/2007 Pump Chastled: Pump Type: Submarker: 1.55 m. Casing Type: None Diameter: 1.56 m. Diffing Record ID: Diffing Record ID: Draw Down Seal Used: None None Diffing Record ID: Diffing Record ID: Draw Down Seal Used: None Tank Capacity: 3.50 Gallons Diameter: 5.00 In: to 98.00 ft. depth Pressure Tank Type: Diaphragm/bidader Borehole: 8.50 ft. depth Tank Capacity: 3.50 Gallons Pressure Tank Installed: Yes State Medium To Coarse 4.50 Mit Bettod: Screen Installed: Yes Stand Medium To Coarse 4.50 Mit Bettod: | Elevation: | | | | | | | |
| Longitude: 90.36242 8884 JOHN R. RD. CADILLAC, MI 48601 874 MYER AVE. CADILLAC, MI 48601 Drilling Method: ROTA Method OC Collection: GPS Std Positioning Svc SA Off Drilling Method: Rotary Method Collection: Pump Installation Date: 7312007 Method OC Solent welder/glued Date Completed: 7312007 Manufacture: Filter Date Completed: Casing Joint: Solent welder/glued Total to the bowe grade Manufacture: Filter Date Completed: Casing Joint: Solent welder/glued Total to the bowe grade Total to the bowe grade Drop Pipe Diameter: 10.50 Diameter: 5.00 in. to 94.00 ft. depth Pressure Tank Installed: Yes Pump Valage: Drilling Record ID: Draw Down Sal Used: No Pressure Tank Type: Diameter: 5.00 ft. Bowe Grade Woll Yold Test: Yield Test Method: Air Pressure Tank Type: Diameter: 90.00 Screen Installed: Yes Filter Packed: Yes Formation Description Thickness Depth to Screen Material Type: Sub Cont. below Grade Woll Weld Yes Screen Material 50.00 50.00 Screen Material Bags Additives Doty It to 80.00 ft. Doty It to 80.00 ft. < | Latitude: 44.26856 | | Well Owner: | CHAO GUO | ZHEM | | | |
| Method of Collection: GPS Std Positioning Svc SA Off 4884 JOHN R. RD. CADILLAC, Mi 44601 GPT MYER AVE. CADILLAC, Mi 44601 Drilling Method: Rotary Mell Oppt: 98,00 ft. Well Use: Household Date Completed: Pump Installation Date: Pump Installation Only: No Pump Type: Submersible Pump Type: Submersible Pump Type: Submersible Pump Constraints Casing John: Date Completed: 7/31/2007 Manufacturer: Frankin Electric Model Number: Pump Type: Submersible Pump Type: Submersible Pump Type: Submersible Pump Cospective: Pump Type: Submersible Pump Cospective: Pump Type: Submersible Pump Cospective: Pump Type: Submersible Pump Cospective: Pump Cospective: | Lengitude: 95 20242 | | Well Address: | | | Owner Add | ress: | |
| Comparison Comparison Well Dype: New Date Completed: 731/2007 Casing String: None Diameter: 5.00 in. to 94.00 ft. depth Diameter: 5.00 in. to 94.00 ft. depth Diameter: 5.00 in. to 94.00 ft. depth Borehole: 8.50 nt. Diameter: 5.00 in. to 94.00 ft. depth Diameter: 5.00 in. to 94.00 ft. depth Borehole: 8.50 nt. Diameter: 5.00 nt. to 94.00 ft. depth Borehole: 8.50 nt. Static Water Level: 55.00 ft. Below Grade Well Type: Nump Voltage: Diameter: 5.00 nt. to 98.00 ft. depth Borehole: 8.50 nt. Static Water Level: 55.00 nt. Below Grade Well Type: Nump Voltage: Static Water Level: 55.00 nt. Below Grade Well Yield Test: Yield Test Method: Streen Installed: Yes Well Grouted: Yes Stot Longth Additives Depth Berphole Bertonite slurry 8.00 | | | 4884 JOHN R | . RD. | | 4874 MYEI | R AVE. | |
| Well Depth: 98.00 ft. Well Use: Household Date Complete: 7/31/2007 Pump Installation Date: 7/31/2007 Pump Dyp: Submersible Pump Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Pump Capacity: 10.0 FM Diameter: 5.00 in. to 94.00 ft. depth Pump Installation Date: 7/31/2007 Pump Vpp: Submersible Pump Capacity: 10.0 FM Diameter: 5.00 in. to 94.00 ft. depth Pump Installation Date: 7/31/2007 Pump Vpp: Submersible Pump Capacity: 10.0 FM Borehole: 8.50 in. to 98.00 ft. depth Pressure Tank Installed: Ves Pressure Tank Inspire. Diaphragm/bladder Maufaderurer: Welf Rule-Piaccon Model Number: S.112 Tank Capacity: 35.0 Gallons Pressure Tank Inspire. Diaphragm/bladder Maufaderurer: Welf Rule-Piaccon Model Number: S.12 Static Water Level: 55.00 ft. Below Grade Well Yield Test: Yield Test Method: Air Pump installation Vps: Stalless steel-stoled Screen Installed: Yes Formation Description Thickness Depth to Botom Screen Installed: Yes Screen Installed: Yes Filter Packed: Yes Static Water Level: Solo 0ft. advo 0ft. Screen Material Type: Submersize Staticed Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Static Material Bags Additives Depth Bentonie Slury Do ft. to 85.00 ft. Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Solut Length Sol 00 ft. 085.00 ft. Do ft. 085.00 ft. Screen Installed: Yes Screen Installed: Yes Solve Screen In | Method of Collection: GF | S Std Positioning Svc SA Off | CADILLAC, M | l 49601 | | CADILLAC | , MI 49601 | |
| Well Depth: 98.00 ft. Well Use: Household Date Complete: 7/31/2007 Pump Installation Date: 7/31/2007 Pump Dyp: Submersible Pump Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Casing Joint: Solvent velded/glued Pump Capacity: 10.0 FM Diameter: 5.00 in. to 94.00 ft. depth Pump Installation Date: 7/31/2007 Pump Vpp: Submersible Pump Capacity: 10.0 FM Diameter: 5.00 in. to 94.00 ft. depth Pump Installation Date: 7/31/2007 Pump Vpp: Submersible Pump Capacity: 10.0 FM Borehole: 8.50 in. to 98.00 ft. depth Pressure Tank Installed: Ves Pressure Tank Inspire. Diaphragm/bladder Maufaderurer: Welf Rule-Piaccon Model Number: S.112 Tank Capacity: 35.0 Gallons Pressure Tank Inspire. Diaphragm/bladder Maufaderurer: Welf Rule-Piaccon Model Number: S.12 Static Water Level: 55.00 ft. Below Grade Well Yield Test: Yield Test Method: Air Pump installation Vps: Stalless steel-stoled Screen Installed: Yes Formation Description Thickness Depth to Botom Screen Installed: Yes Screen Installed: Yes Filter Packed: Yes Static Water Level: Solo 0ft. advo 0ft. Screen Material Type: Submersize Staticed Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Static Material Bags Additives Depth Bentonie Slury Do ft. to 85.00 ft. Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Screen Installed: Yes Solut Length Sol 00 ft. 085.00 ft. Do ft. 085.00 ft. Screen Installed: Yes Screen Installed: Yes Solve Screen In | | | · | | | | | |
| Well Type: New Date Completed: 7/3/12007 Manufacture: Franklin Election: Pump Type: Submersible Casing Type: None Height: 1.00 ft. above grade Manufacture: Franklin Election: Pump Capacity: 10 GPM Diameter: 5.00 in. to 94.00 ft. depth Drop Pipe Lingenter: 1.25 in. Drifting Record ID: Drameter: Drameter: Diameter: 10 GPM Borehole: 8.50 in. to 98.00 ft. depth Drop Pipe Lingenter: Used: No Diameter: Ves Static Water Level: 55.00 ft. Below Grade Well Viel Grad Yes State Water Level: Store of the State Viel Test Method: Air Pumping level 58.00 ft. after 0.50 hrs. at 15 GPM Tan Sand Medium 50.00 50.00 Boren Installed: Yes Store of material Store Store Store Store Screen Installed: Yes Store Store Store Store Store Store Store Longth Set Between Store Store Store Store Store Installed: Yes Grouting Method: Grout pipe outside casing Store Grouting Material Bags Additives Depth Store Well Grouted: Yes Grouting Matchod: Stor | | | | | | | | y: No |
| Casing Joni: PVC plastic Height: 1.00 ft. above grade Model Number: L10-50 Pump Capacity: 10 GPM Casing Jirtting: None Drop Pipe Length: 80.00 ft. Pump Voltage: Drop Pipe Length: 80.00 ft. Drilling Record ID: Draw bern Seal Used: No. Drop Pipe Length: Status Drop Pipe Leng | - | | · · | | | | | |
| Casing Joint: Solvent welded/glued Drop Pipe Langth: 8.00 ft. Pump Voltage: Draw Down Seal Used: No. Diameter: 5.00 in. to 94.00 ft. depth Draw Down Seal Used: No. Drilling Record ID: Draw Down Seal Used: No. Borehole: 8.50 in. to 94.00 ft. depth Pressure Tank Intalled: Yes: Pressure Tank Intalled: Yes: Pressure Relief Valve Installed: Yes Tank Capacity: 35.0 Gallons Pressure Relief Valve Installed: Yes Static Water Level: 55.00 ft. Below Grade Well Yield Test: Pumping level 58.00 ft. after 0.50 hrs. at 15 GPM Formation Description Tickness Depth to Bottom Brewn Clay Screen Installed: Yas Filter Packed: Yes Screen Installed: Yas Scren Installed: Yas Screen Installed: Yas | | • | | | | | | |
| Casing Fitting: None Diameter: 5.00 in. to 94.00 ft. depth Borehole: 8.50 in. to 96.00 ft. depth Static Water Level: 55.00 in. to 96.00 ft. depth Well Yield Test: Yield Test Method: Pumping level 68.00 ft. after 0.50 hrs. at 15 GPM Formation Description Screen Installed: Yes Bags Additives Depth Depth Screen Installed: Yes Screen Installed: Screen Installesterd Screen Installed: S | | | | | | - | | SPM |
| Diameter: 5.00 in. to 94.00 ft. depth Diameter: 5.00 in. to 94.00 ft. depth Borehole: 8.50 in. to 98.00 ft. depth Borehole: 8.50 in. to 98.00 ft. depth Borehole: 8.50 in. to 98.00 ft. depth Media Vial Office: Yessure Tank Installed: Yes Static Water Level: 55.00 ft. Below Grade Tank Capacity: 35.0 Gallons Pressure Tank Installed: Yes Tank Capacity: 35.0 Gallons Pressure Tank Installed: Yes Tank Capacity: 35.0 Gallons Pressure Tank Installed: Yes Tank Capacity: 35.0 Gallons Static Water Level: 55.00 ft. Below Grade Tan Sand Medium 50.00 50.00 Screen Installed: Yes Statiness steel-slotted Screen Material Type: Statiness steel-slotted Screen Material Type: Statiness steel-slotted Screen Material Type: Statiness steel-slotted Screen Material Type: Statiness steel-slotted Stot Length Set Between Otifiling Machine Operator Name: RANDY SHEPLER Fittings: Neoprene packer <t< td=""><td></td><td>glued</td><td></td><td>-</td><td></td><td>-</td><td>-</td><td></td></t<> | | glued | | - | | - | - | |
| Diameter: 5.00 in. to 94.00 ft. depth Pressure Tank Installet: Yes Borehole: 8.50 in. to 98.00 ft. depth Maintzeture: Viel-Rite-Flexcon Static Water Level: 55.00 ft. Below Grade Maintzeture: Yes Weil Yield Test: Yield Test Method: Air Pumping level 56.00 ft. Below Grade Formation Description Thickness Depth to Stratic Water Level: 55.00 ft. Below Grade Tan Sand Medium 50.00 50.00 Screen Installed: Yes Filter Packed: Yes Solo 50.00 50.00 Screen Installed: Yes Stanke: 1.50 ft. Above Screen Installation Type: Stanke: 1.60 ft. 45.00 Streen Installed: Yes Stanke: 1.50 ft. Above 1.60 ft. 45.00 98.00 Screen Installation Type: Telescoped 1.60 ft. 45.00 ft. 1.60 ft. 45.00 ft. 1.60 ft. 45.00 ft. Strings: Neoprene packer 1.60 ft. 40 ft. 94.00 ft. and 98.00 ft. 1.60 ft. 45.00 ft. 1.60 ft. 45.00 ft. Weil Grouted: Yes Grouting Method: Grout pipe outside casing Grouting Method: Grout pipe ft. 45.00 ft. 1.60 ft. 45.00 ft. Weil Grouted: Yes None 0.00 ft. to 85.00 ft. 1.60 ft. 40 ft. | Casing Fitting: None | | | | | Drilling F | Record ID: | |
| Borehole: 8.50 in. to 98.00 ft. depth Static Water Level: 55.00 ft. Below Grade Well Yield Test: Yield Test Method: Pumping level 56.00 ft. after 0.50 hrs. at 15 GPM Formation Description Thickness Screen Installed: Yes Screen Installed: | | | | | - | | | |
| Borehole: 8.50 in. to 98.00 ft. depth Manufacturer: Well Relief Valve Installed: Tank Capacity: 35.0 Gallons Static Water Level: 55.00 ft. Below Grade Formation Description Thickness Pepth to Well Valve Installed: Yes Yes Static Water Neiled' Static Water Neiled' Static Water Neiled' Static Water Level: 55.00 ft. Below Grade Yes Formation Description Thickness Pepth to Pumping level 56.00 ft. after 0.50 hrs. at 15 GPM Tan Sand Medium 50.00 50.00 50.00 Screen Installed: Yes Fitter Packed: Yes Static Water Neiley 3.00 53.00 Screen Installed: Yes Tan Sand Medium To Coarse 45.00 98.00 Screen Installed: Yes Tan Sand Medium To Coarse 45.00 98.00 Screen Installed: Yes Tan Sand Medium To Coarse 45.00 98.00 Screen Installed: Yes Set Between 20.00 4.00 ft. and 98.00 ft. 1 20.00 4.00 ft. 94.00 ft. and 98.00 ft. 1 1 1 Well Grouted: Yes Grouting Material Bags Additives Depth Bentonite slurry 8.00 None 0.00 ft. to 85.00 ft. <td>Diameter: 5.00 in. to 94.00 ft. d</td> <td>epth</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Diameter: 5.00 in. to 94.00 ft. d | epth | | | | | | |
| Borehole: 8.50 in. to 98.00 ft. depth Model Number: SL12 Tan Kapacity: 35.0 Gallons Static Water Level: 55.00 ft. Below Grade Pressure Relief Valve Installed: Yes Static Water Level: 55.00 ft. Below Grade Benthold: Air Pumping level 56.00 ft. after 0.50 hrs. at 15 GPM First Method: Air Screen Installed: Yes Screen Naterial Type: Static Water Level: 50.00 50.00 Screen Installed: Yes Screen Naterial Type: Screen Screen School ft. Screen Naterial Type: Screen Naterial | | | | •• | | ladder | | |
| Pressure Relief Valve Installed: Yes Static Water Level: 55.00 ft. Below Grade Well Yield Test: Yield Test Method: Air Pumping level 58.00 ft. after 0.50 hrs. at 15 GPM Tan Sand Medium 50.00 Born Clay 3.00 Screen Installed: Yes Filter Packed: Yes Screen Installed: Yes Set Between 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Siti Length Set Between 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Fittings: Neoprene packer Grouting Method: Grout pipe outside casing Grouting Material Bags Additives Depth Bentonite slury 8.00 None 0.00 ft. to 85.00 ft. Well Head Completion: Pittess adapter, 12 inches above grade Nearest Source of Possible Contamination: Direction Speic tank 65 ft. West Contractor Type: Water Well Drilling Machines Operator Name: RANDY SHEPLER Business Address: PO Bostance Direction Weil was drilded under my supervision and this report | | | | | | | | |
| Static Water Level: 55.00 ft. Below Grade Well Yield Test: Yield Test Method: Air Pumping level 58.00 ft. after 0.50 hrs. at 15 GPM Tan Sand Medium 50.00 50.00 Brown Clay 3.00 53.00 50.00 Screen Installed: Yes Screen Diameter: Filter Packed: Yes Screen Diameter: 45.00 98.00 Screen Naterial Type: Stainless steel-slotted Screen Installation Type: Stainless steel-slotted Screen Diameter: - - Soreen Naterial Type: Stainless steel-slotted Screen Diameter: 40.0 ft. 94.00 ft. - 20.00 4.00 ft. 94.00 ft. and 98.00 ft. - - - Fittings: Neoprene packer - - - - Well Grouted: Yes Grouting Method: Grout pipe outside casing Grouting Material Geology Remarks: - | Borehole: 8.50 in. to 98.00 ft. d | epth | | | | | apacity: 35.0 |) Gallons |
| Well Yield Test: Yield Test Method: Air Formation Description Thickness Bottom Pumping level 58.00 ft. after 0.50 hrs. at 15 GPM Tan Sand Medium 50.00 50.00 Screen Installed: Yes Filter Packed: Yes 3.00 53.00 Screen Diameter: 4.00 in. Blank: 1.50 ft. Above 45.00 98.00 Screen Installation Type: Telescoped 1 1 1 Screen Installation Type: Telescoped 1 1 1 Stot Length Set Between 1 1 1 20.00 4.00 ft. 94.00 ft. and 98.00 ft. 1 1 1 Fittings: Neoprene packer 1 1 1 1 Well Grouted: Yes Grouting Material Bags Additives Depth Bentonite slurry 8.00 None 0.00 ft. to 85.00 ft. 1 1 Wellhead Completion: Pitless adapter, 12 inches above grade 1 1 1 Nearest Source of Possible Contamination: Type Distance Direction Septic tank 65 ft. West Contractor Type Ray Net West Contractor Type Distance Direction This well was diffied un | | | Pressure | Relief Valve | Installed: | Yes | | |
| Well Yield Test: Yield Test Method: Air Formation Description Thickness Bottom Pumping level 58.00 ft. after 0.50 hrs. at 15 GPM Tan Sand Medium 50.00 50.00 Screen Installed: Yes Filter Packed: Yes 3.00 53.00 Screen Diameter: 4.00 in. Blank: 1.50 ft. Above 98.00 Screen Installation Type: Telescoped 1 1 Screen Installation Type: Telescoped 1 1 Stot Length Set Between 1 1 20.00 4.00 ft. 94.00 ft. and 98.00 ft. 1 1 1 Fittings: Neoprene packer 1 1 1 1 Well Grouted: Yes Grouting Material Bags Additives Depth Bentonite slurry 8.00 None 0.00 ft. 0.00 ft. 1 1 Vell Brownection: Pitless adapter, 12 inches above grade 1 1 1 Nearest Source of Possible Contamination: Type Distance Direction Septic tank 65 ft. West Contractor Type: Nearest West Contractor Type Distance Disciness Address: PO Box 511, Manton, Mi, 49663 Wethwes drille | | | | | | | | |
| Pumping level 58.00 ft. after 0.50 hrs. at 15 GPM Tan Sand Medium 50.00 50.00 Brown Clay 3.00 53.00 53.00 Screen Installed: Yes Filter Packed: Yes 45.00 98.00 Screen Material Type: Stainless steel-slotted 1 1 Screen Material Type: Stainless steel-slotted 1 1 Screen Material Type: Tan Sand Medium To Coarse 45.00 98.00 Soreen Installation Type: Stainless steel-slotted 1 1 Screen Material Type: Stainless steel-slotted 1 1 Soreen Installation Type: Tan Sand Medium To Coarse 45.00 98.00 Soreen Installation Type: Stainless steel-slotted 1 1 Soreen Material Type: Stain definition: 1 1 20.00 4.00 ft. 94.00 ft. and 98.00 ft. 1 1 1 Fittings: Neoprine packer Image: Coording Method: Grouting Material Bags Additives Depth Image: Coordination: 1 1 Bentonite slurry 8.00 None 0.00 ft. to 85.00 ft. Image: Coordination: 1 1 < | | | | Formation | n Description | | Thickness | |
| Brown Clay 3.00 \$3.00 Tan Sand Medium To Coarse 46.00 98.00 Screen Installed: Yes 1 1 Screen Diameter: 4.00 in. Blank: 1.50 ft. Above 1 1 Screen Installion Type: Stallass steel-slotted 1 1 Screen Installion Type: Telescoped 1 1 Stot Length Set Between 1 1 20.00 4.00 ft. 94.00 ft. and 98.00 ft. 1 1 Fittings: Neoprene packer 1 1 1 Well Grouted: Yes Grouting Material Bags Additives Depth Bentonite slurry 8.00 None 0.00 ft. 65 ft. West Velices adapter, 12 inches above grade Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Address: PO Still, Manton, MI, 49663 Water Well Contractor's Certification Tipe Signature of Registered Contractor General Remarks: | | | Tax Oax d | | • | | 50.00 | = |
| Tan Sand Medium To Coarse 45.00 98.00 Screen Installed: Yes Filter Packed: Yes Screen Installation Type: Stainless steel-slotted Screen Installation Type: Telescoped 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Grout pipe outside casing Geology Remarks: Wellhead Completion: Pitless adapter, 12 inches above grade Nearest Source of Possible Contamination: Purp Installer: Employment: Employment: Type Distance Direction Purp Installer: Employment: Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Address: Point and or my supervision and this report is true to the best of my knowledge and belief. This well was drilled under my supervision and this report is true to the best of my knowledge and belief. | Pumping level 58.00 ft. after 0.5 | Unrs. at 15 GPM | | | | | | |
| Screen Installed: Yes Filter Packed: Yes Screen Diameter: 4.00 in. Blank: 1.50 ft. Above Screen Material Type: Stainless steel-slotted Screen Installation Type: Telescoped Stot Length Set Between 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Fittings: Neoprene packer Image: Complexity of the state s | | | | , | ` | | | |
| Screen Diameter: 4.00 in. Blank: 1.50 ft. Above Screen Material Type: Stainless stel-slotted Screen Installation Type: Telescoped Slot Length Set Between 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Fittings: Neoprene packer Image: Comparison of the test of te | | Filter Backed, Voo | Tan Sanu | | Joarse | | 45.00 | 96.00 |
| Screen Material Type: Stainless steel-slotted Screen Installation Type: Telescoped Stot Length Set Between 20.00 4.00 ft. 94.00 ft. Fittings: Neoprene packer Image: Comparison of the state stat | | | | | | | | |
| Screen Installation Type: Telescoped Stot Length Set Between 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Fittings: Neoprene packer Image: Comparison of the set of | | | | | | | | |
| Slot Length Set Between 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Fittings: Neoprene packer Image: Complexity of the second s | | | | | | | | |
| 20.00 4.00 ft. 94.00 ft. and 98.00 ft. Fittings: Neoprene packer Image: Constraint of the second secon | | | | | | | | |
| Fittings: Neoprene packer Image: Second | - · · J | | | | | | | |
| Well Grouted: Yes Grouting Method: Grout pipe outside casing Grouting Material Bags Additives Depth Bentonite slury 8.00 None 0.00 ft. to 85.00 ft. Geology Remarks: Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: RANDY SHEPLER Nearest Source of Possible Contamination: Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Rearest Source of Possible Contamination: Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | 20.00 4.00 11. | 54.00 h. and 50.00 h. | | | | | | |
| Well Grouted: Yes Grouting Method: Grout pipe outside casing Grouting Material Bags Additives Bentonite slury 8.00 None 0.00 ft. to 85.00 ft. 0.00 ft. to 85.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: RANDY SHEPLER Employment: Employment: Type Distance Septic tank 65 ft. West Contractor Type: Contractor Type: Water Well Drilling Business Name: Shepler Well Drilling Business Address: PO to the best of my knowledge and belief. Signature of Registered Contractor Date | | | | | | | | 1 |
| Well Grouted: Yes Grouting Method: Grout pipe outside casing Grouting Material Bags Additives Depth Bentonite slury 8.00 None 0.00 ft. to 85.00 ft. Geology Remarks: Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: RANDY SHEPLER Nearest Source of Possible Contamination: Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Rearest Source of Possible Contamination: Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | Fittings: Neoprepe packer | | | | | | | |
| Grouting Material Bentonite slurry Bags 8.00 Additives None Depth 0.00 ft. to 85.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: RANDY SHEPLER Nearest Source of Possible Contamination: Distance Direction Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: Poso 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | | | | | | | |
| Grouting Material Bentonite slurry Bags 8.00 Additives None Depth 0.00 ft. to 85.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: RANDY SHEPLER Nearest Source of Possible Contamination: Distance Direction Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: Poso 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | | | | | | | |
| Grouting Material Bentonite slurry Bags 8.00 Additives None Depth 0.00 ft. to 85.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: RANDY SHEPLER Nearest Source of Possible Contamination: Distance Direction Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: Poso 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | Well Grouted: Yes Grou | Iting Method: Grout pipe outside casi | ng Geology F | Remarks: | | | | |
| Bentonite slurry 8.00 None 0.00 ft. to 85.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: RANDY SHEPLER Nearest Source of Possible Contamination: Type Distance Direction Septic tank 65 ft. West Employment: Employee Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | - | | ionianio. | | | | |
| Wellhead Completion: Pitless adapter, 12 inches above grade Nearest Source of Possible Contamination: Distance Type Distance Septic tank 65 ft. West Contractor Type: Contractor Type: West Distance Stepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Co | | | | | | | | |
| Nearest Source of Possible Contamination: Direction Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | | | | | | | |
| Nearest Source of Possible Contamination: Direction Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | | | | | | | |
| Nearest Source of Possible Contamination: Direction Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | Wellhead Completion: Pitles | ss adapter, 12 inches above grade | | | | | | |
| Nearest Source of Possible Contamination: Employment: Employee Type Distance Direction Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | | Drilling Ma | achine Oper | ator Name: | RANDY SH | IEPLER | |
| Type Distance Direction Pump Installer: ERIC SHEPLER Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. General Remarks: Signature of Registered Contractor Date | Nearest Source of Possible Co | ntamination: | | - | | | | |
| Septic tank 65 ft. West Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | | | | | | | |
| Contractor Type: Water Well Drilling Contractor Reg No: 83-2115 Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | 65 ft. West | | | | | | |
| Business Name: Shepler Well Drilling Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date | | | Contracto | r Type: Wat | ter Well Drilling | Contractor | Reg No: | 83-2115 |
| Business Address: PO Box 511, Manton, MI, 49663 Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date General Remarks: | | | Business | Name: She | pler Well Drillir | ng | - | |
| Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date General Remarks: | | | Business | Address: | PO Box 511, M | anton, MI, 4 | 9663 | |
| This well was drilled under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date General Remarks: | | | | | | | | |
| my knowledge and belief. Signature of Registered Contractor Date | | | This well w | | | | | to the best of |
| General Remarks: | | | | | | | | |
| General Remarks: | | | | | | | | |
| General Remarks: | | | Signatura | of Register | d Contractor | | Data | |
| | General Remarks | | Signature | or registere | | | Date | |
| | | | | | | | | |





| Tax No: 2209-PP-014 | Permit No: 22500 | County: Wexfo | ord | | Township: | Haring | |
|---|-----------------------------------|---------------------------------|-----------------------------|-----------------|--------------|---------------------|--------------------|
| | | | Section: | Well Status: | WSSN | Source | e ID/Well No: |
| Well ID: 830000 | 00665 | 22N 09W | 27 | Active | | | |
| | | Distance and D JOHN R. STREE | | n Road Inters | section: | | |
| Elevation: | | | _1,11 14 | | | | |
| Latitude: 44.26803 | | Well Owner: N | /OFFIT, CLA | RENCE/BET | TY | | |
| Longitude: -85.381941 | | Well Address: | | | Owner Add | | |
| Method of Collection: Interpolation | on-Map | | | | | AN HOUSING 49338 | CORP. |
| · · · · | • | Gradiee (G, Mi | 40001 | | 17440, 14 | 40000 | |
| Drilling Method: Cable Tool | | Pump Inst | | | • | stallation Onl | y: No |
| | II Use: Household | · · · | allation Date rer: Gould | | HP: | vpe: Submer | sible |
| | e Completed: 7/27/1995 Height: | Model Nun | | 12 | | apacity: 0 Gl | |
| Casing Joint: Threaded & coupled | noighti | Drop Pipe | | | Pump Vo | | |
| Casing Fitting: None | | Drop Pipe | Diameter: | | Drilling F | Record ID: | |
| | | | n Seal Used | | | | |
| Diameter: 4.00 in. to 72.00 ft. depth | | | ank Installe | | N1- | | |
| | | Pressure F | Relief Valve | Installed: | No | | |
| Borehole: | | | | | | | |
| | | | | | | | |
| | | | | | | • | |
| Static Water Level: 52.00 ft. Below Gr Well Yield Test: | ade Yield Test Method: Unknown | | Formatior | Description | | Thickness | Depth to Bottom |
| Well field lest. | Tiela Test Metrida. Unknown | Sand | | | | 25.00 | 25.00 |
| | | Gravel & Sa | and | | | 8.00 | 33.00 |
| | | Sand | | | | 20.00 | 53.00 |
| | er Packed: No | Sand Wate | r Bearing | | | 23.00 | 76.00 |
| | 1.50 ft. Above | | | | | | |
| Screen Material Type: Stainless stee Screen Installation Type: Unknown | el-wire wrapped | | | | | | |
| Slot Length | Set Between | | | | | | |
| · · · · | 72.00 ft. and 76.00 ft. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Fittings: Neoprene packer | | | | | | | |
| | | | | | | | |
| Well Grouted: Yes Grouting M | ethod: Unknown | Geology R | emarks: | | | | 1 |
| Grouting Material Bags Additiv | | | | | | | |
| Bentonite slurry 0.00 None | - | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adapt | tor | | | | | | |
| menneau completion. Filless adap | וסו | Drilling Ma | chine Opera | ator Name: | | | |
| Nearest Source of Possible Contamin | ation: | | ent: Unknov | | | | |
| | Distance Direction | | | | | | |
| Septic tank 5 | 50 ft. | | | | | | |
| | | Business I | | er Well Drillin | g Contractor | Reg No: | 57-1266 |
| | | Business | | | | | |
| | | | | Well Contr | actor's Ce | ertification | |
| | | This well wa | | | | s report is true | to the best of |
| | | | dge and belie | | | | |
| | | | | | | | |
| | | | of Registere | ed Contractor | r | Date | |
| General Remarks: ADDRESS, LAT LC Other Remarks: | ONG, CONT TYPE, AH 11/23/202 | 23 | | | | | |
| | e 1 of 1 | | | | | LHD 2/18/2 | 2000 11:29 PM |





Completion is required under authority of Part 127 Act 368 PA 1978.

| Tax No: | Permit No: 13179 | County: Wexfo | ard | Т | ownship: | Haring | |
|----------------------------------|----------------------------|----------------|---------------|-------------------|------------|-------------------------|---------------|
| | | | - | Well Status: | WSSN: | | e ID/Well No: |
| | | 22N 09W | 27 | Active | 100011. | | |
| Well ID: 8300 | 0008813 | Distance and D | | | ation | | |
| WOILID: 0000 | 0000010 | | | | | | |
| Elevation: | | LOT 17 +23 PLI | EASANT PIN | ES SUBDIVISIO | JN | | |
| | | | | | | | |
| Latitude: 44.268152 | | Well Owner: | -RANK + EL | | | | |
| Longitude: -85.382764 | | Well Address: | | - | wner Add | | |
| Method of Collection: Interp | olation-Man | 4930 JOHN R | | | 407 E HAR | | |
| method of concetton. Interp | σιαιστινιαρ | CADILLAC, M | 1 49601 | | CADILLAC | , IVII | |
| Drilling Method: Rotary | | Pump Inst | alled: Ye | | Pump Inc | stallation Onl | v: No |
| Well Depth: 100.00 ft. | Well Use: Household | | allation Date | | HP: 0.50 | | y. NO |
| Well Type: Unknown | Date Completed: 1/1/1989 | | irer: Flint | | | , pe: Submers | siblo |
| Casing Type: PVC plastic | Height: | Model Nur | | a wanny | | apacity: 15 0 | |
| | Height. | | | F 00 # | - | | |
| Casing Joint: Unknown | | | Length: 2 | 5.00 II. | - | oltage: 240 | |
| Casing Fitting: Unknown | | | Diameter: | : Unknown | Drilling F | Record ID: | |
| Diamatan | | | Tank Installe | | | | |
| Diameter: | | | | | | | |
| | | | Tank Type: | | | | |
| | | | irer: Well- | X-Irol | | | |
| Borehole: | | Model Nur | | | | apacity: 20.0 |) Gallons |
| | | Pressure | Relief Valve | Installed: U | Inknown | | |
| | | | | | | | I |
| Static Water Level: 60.00 ft. | | | Formation | Description | | Thickness | Depth to |
| Well Yield Test: | Yield Test Method: Unknown | | | | | | Bottom |
| | | Sand | | | | 30.00 | 30.00 |
| | | Gravel | | | | 30.00 | 60.00 |
| | | Clay | | | | 5.00 | 65.00 |
| Unrestricted Flow Rate: | | Sand Coar | se | | | 35.00 | 100.00 |
| Screen Installed: Yes | Filter Packed: Unknown | | | | | | |
| Screen Diameter: 3.75 in. | Blank: 3.00 ft. Above | | | | | | |
| Screen Material Type: Stainless | steel-wire wrapped | | | | | | |
| Screen Installation Type: Unkno | own | | | | | | |
| Slot Length | Set Between | | | | | | |
| 12.00 4.00 ft. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Fittings: Neoprene packer | | | | | | | |
| | | | | | | | |
| | | Geology R | Remarks: | | | • | - |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless a | adapter | | | | | | |
| | | | | | | | |
| Nearest Source of Possible Conta | amination: | Drilling Ma | achine Oper | ator Name: | MIKE FLIN | т | |
| Туре | Distance Direction | | ent: Employ | | | | |
| Septic tank | 60 ft. West | | | 00 | | | |
| | oo n. West | Contracto | r Type: Wat | ter Well Drilling | Contractor | Reg No: | 84-0519 |
| Abandoned Well Plugged: Unkr | | | | DS FLINT + SO | | | |
| Contraction of the ringged. Ulki | IOWIT | | | CADILLAC, MI | | | |
| | | Lasmoos | | Well Contra | ctor's Cr | artification | |
| | | This well - | | | | | |
| | | i nis well a | na/or pump I | nstallation was p | penormed (| under my regis | ธินิสินิยิทิ. |
| | Casing Removed: | | | | | | |
| | | | | | | | |
| | | Signature | of Registere | ed Contractor | | Date | |
| General Remarks: | | | | | | | |
| Other Remarks: | | | | | | | |





| Tax No: 2411-PP-016 | Permit No: | County: Wexfe | | - | Township: | | |
|--|----------------------------|----------------|---------------|---------------|-----------------|----------------|----------------|
| | | Town/Range: | Section: | Well Status: | WSSN: | Source | e ID/Well No: |
| | 000664 | 22N 09W | 27 | Active | | | |
| Well ID: 830000 | 100004 | Distance and D | Direction fro | m Road Inters | section: | | |
| Elevation: | | 16 | | | | | |
| | | | | | | | |
| Latitude: 44.267356 | | Well Owner: | BEARD, HEN | IRY D. | | | |
| Longitude: -85.382648 | | Well Address: | | | Owner Addr | | |
| Method of Collection: Interpolation | n-Man | 4976 JOHN R | | | | NGLAND & S | SONS |
| method of conection. Interpolation | | Cadillac, MI | | | MARION, M | /11 49665 | |
| Drilling Method: Auger/Bored | | Pump Inst | alled: Ye | 8 | Pumn Ins | tallation Only | v: No |
| | IUse: Household | | allation Dat | | HP: | | y . No |
| - | e Completed: 5/25/1994 | · · | urer: Goul | | | pe: Submers | sible |
| | Height: | Model Nu | | | Pump Ca | | |
| Casing Joint: Threaded & coupled | | Drop Pipe | | | Pump Vo | | |
| Casing Fitting: None | | | Diameter: | | Drilling R | - | |
| | | | n Seal Used | I: No | 2g | | |
| Diameter: 4.00 in. to 63.00 ft. depth | | | Tank Installe | | | | |
| | | Pressure | Relief Valve | Installed: | No | | |
| | | | | | | | |
| Borehole: | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Static Water Level: 33.00 ft. Below Gr | ade | | | | | | Depth to |
| Well Yield Test: | Yield Test Method: Unknown | | Formatio | n Description | | Thickness | Bottom |
| | | Clay | | | | 5.00 | 5.00 |
| | | Sand & Gr | avel | | | 35.00 | 40.00 |
| | | Sand Wet/ | Moist | | | 27.00 | 67.00 |
| Screen Installed: Yes Filte | er Packed: No | | | | | | |
| Screen Diameter: 3.00 in. Blan | k: 1.50 ft. Above | | | | | | |
| Screen Material Type: Unknown | | | | | | | |
| Screen Installation Type: Unknown | | | | | | | |
| Slot Length | Set Between | | | | | | |
| 10.00 4.00 ft. | 63.00 ft. and 67.00 ft. | | | | | | |
| | | | | | | | |
| | | | | | | | 1 |
| Fittings: Neoprene packer | | | | | Î | | |
| | | | | | | | |
| | | | | | | | |
| Well Grouted: Yes Grouting Me | ethod: Unknown | Geology F | Remarks: | | | | |
| Grouting Material Bags Additiv | ves Depth | | | | | | |
| Other 0.00 None | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adapt | ter | | | | | | |
| | | | achine Oper | | | | |
| Nearest Source of Possible Contamina | | Employme | ent: Unknow | wn | | | |
| 21 · · | Distance Direction | | | | | | |
| Septic tank 5 | 50 ft. | | _ | | | | |
| | | | r Type: Unl | nown | | Reg No: 4 | 57-1266 |
| | | Business | | | | | |
| | | Business | | | | | |
| | | | | Well Contr | | | |
| | | | | | vision and this | report is true | to the best of |
| | | my knowle | dge and beli | er. | | | |
| | | | | | | | |
| | | Signature | of Register | ed Contractor | r | Date | |
| General Remarks: | | | | | | | |
| Other Remarks: Grouting Material 1:Lis | sted as other in Wellkey | | | | | | |
| | e 1 of 1 | | | | L | .HD 2/18/2 | 2000 11:29 PM |





 $\label{eq:completion} Completion \mbox{ is required under authority of Part 127 \mbox{ Act 368 PA 1978}.$

Failure to comply is a misdemeanor.

| Tax No: 2209-pp-04 | Permit No: 83-01771 | County: Wexfe | ord | 1 | Township: | Haring | | | |
|---|---------------------------------------|----------------|---------------|--------------------|---------------|------------------|----------------|--|--|
| | | Town/Range: | Section: | Well Status: | WSSN: | | e ID/Well No: | | |
| | 00005007 | 22N 09W | 27 | Active | | | | | |
| Well ID: 830 | 00005087 | Distance and D | | | ection: | I | | | |
| | | 4874 meyer ave | | | | | | | |
| Elevation: | | | | | | | | | |
| Latitude: 44.268753 | | Well Owner: 2 | ZHEM GUO | | | | | | |
| Longitude: -85.383723 | | Well Address: | | 0 | Owner Addı | ess: | | | |
| - | | 4874 MEYER | AVE | | 4874 MEY | ER AVE | | | |
| Method of Collection: Int | erpolation-Map | CADILLAC, M | I 49601 | | CADILLAC | , MI 49601 | | | |
| Duilling Mathe | | Dument In 1 | | | Duran I. | | N. N. | | |
| Drilling Method: Auger/Bored Well Depth: 78.00 ft. | Well Use: Household | | talled: Yes | s e: 6/21/2006 | HP: 0.50 | stallation Onl | y: NO | | |
| Well Type: New | Date Completed: 6/21/2006 | | urer: Aerm | | | pe: Submer | siblo | | |
| Casing Type: PVC plastic | Height: 1.00 ft. above grade | | mber: T12 | | | pe. Submers | | | |
| Casing Joint: Solvent welded/ | | | Length: 6 | | Pump Vo | | | | |
| Casing Fitting: None | giucu | | Diameter: | | - | Record ID: | | | |
| | | | n Seal Used | | 2. ming P | | | | |
| Diameter: 5.00 in. to 74.00 ft. c | depth | | Tank Installe | | | | | | |
| | F | | | Diaphragm/b | ladder | | | | |
| | | | ••• | Rite Signature | | | | | |
| Borehole: 9.80 in. to 78.00 ft. c | lepth | | mber: PC1 | - | Tank Ca | pacity: 33.4 | Gallons | | |
| | -1. | | Relief Valve | | /es | | | | |
| | | | | | | | | | |
| Static Water Level: 41.00 ft. B | elow Grade | | | Deseriation | | Thiolmon | Depth to | | |
| Well Yield Test: | Yield Test Method: Test pum | р | Formation | n Description | | Thickness | Bottom | | |
| Pumping level 45.00 ft. after 0.5 | 0 hrs. at 15 GPM | Tan Sand | | | | 45.00 | 45.00 | | |
| | | Tan Sand | Medium To C | Coarse | | 33.00 | 78.00 | | |
| | | | | | | | | | |
| Screen Installed: Yes | Filter Packed: No | | | | | | | | |
| Screen Diameter: 4.00 in. | Blank: 1.50 ft. Above | | | | | | | | |
| Screen Material Type: Stainle | | | | | | | | | |
| Screen Installation Type: Tel | | | | | | | | | |
| Slot Length | Set Between | | | | | | | | |
| 10.00 4.00 ft. | 74.00 ft. and 78.00 ft. | | | | | | | | |
| | | | | | | | | | |
| Fittings: Nooprone packer | | | | | | | <u> </u> | | |
| Fittings: Neoprene packer | | | | | | | | | |
| | | | | | | | 1 | | |
| Well Grouted: Yes Gro | uting Method: Grout pipe outside casi | ing Geology F | Remarke | | | l | 1 | | |
| | Additives Depth | | | | | | | | |
| Bentonite slurry 7.00 | None 0.00 ft. to 70.00 ft | . | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Wellhead Completion: Pitle | ss adapter, 12 inches above grade | | | | | | | | |
| | , , , , , , , , , , , , , , , , , , , | Drilling Ma | achine Oper | ator Name: | RANDY SH | EPLER | | | |
| Nearest Source of Possible Co | ontamination: | | ent: Employ | | | | | | |
| Туре | Distance Direction | | | C SHEPLER | | | | | |
| Septic tank | 75 ft. North-Northw | | | | | | | | |
| | | Contracto | r Type: Wa | ter Well Drilling | Contractor | Reg No: | 83-2115 | | |
| | | | | epler Well Drillir | | | | | |
| | | Business | | PO Box 511, M | | | | | |
| | | | | Well Contra | | | | | |
| | | | | der my supervi | sion and this | s report is true | to the best of | | |
| | | my knowle | dge and beli | et. | | | | | |
| | | | | | | | | | |
| | | Signature | of Registere | ed Contractor | | Date | | | |
| General Remarks: | | | | | | | | | |
| Other Remarks: | | | | | | | | | |

EQP-2017 (4/2010)





 $\label{eq:completion} Completion \mbox{ is required under authority of Part 127 \mbox{ Act 368 PA 1978}.$

| Tax No: 2209-PP-018 | Permit No: 83-00621 | County: Wexfe | ord | | Township: | Haring | |
|---|----------------------------|--------------------------------|------------------------|-------------------------------|-----------|------------------|---------------|
| | | Town/Range: 22N 09W | Section: 27 | Well Status: Active | WSSN | : Source | e ID/Well No: |
| Well ID: 830000 | 102752 | Distance and D | Direction from | m Road Inter | section: | | |
| Elevation: | | PLEASANT PIN | IES | | | | |
| | | | | | | | |
| Latitude: 44.268789 | | Well Owner: (Well Address: | CHRISTOPH | ER PALUCK | Owner Add | r066- | |
| Longitude: -85.38306 | | 4885 MEYER | AVE | | | LD OAK TR. | |
| Method of Collection: Interpolation | on-Map | CADILLAC, M | | | | D, MI 48657 | |
| Drilling Method: Rotary | | Pump Inst | alled: Yes | 6 | Pump In | stallation Onl | y: No |
| | II Use: Household | | allation Date | | HP: 0.75 | 5 | |
| | e Completed: 7/22/2002 | | urer: Flint a | & Walling | | pe: Submer | |
| | Height: | Model Nur | | 00.00.4 | - | apacity: 100 | GPM |
| Casing Joint: Unknown Casing Fitting: None | | | Length: 1 Diameter: | 20.00 π. | Pump Vo | Record ID: | |
| Casing Fitting. None | | | n Seal Used | : No | Drining | Record ID. | |
| Diameter: 5.00 in. to 133.00 ft. depth | | | Tank Installe | | | | |
| | | Pressure | Tank Type: | Unknown | | | |
| | | Manufactu | urer: Well- | Rite-Flexcon | | | |
| Borehole: 8.50 in. to 140.00 ft. depth | | | mber: WR- | | | apacity: 32.0 |) Gallons |
| | | Pressure | Relief Valve | Installed: | No | | |
| Static Water Level: 51.00 ft. Below Gr | ade | | | | | | Depth to |
| Well Yield Test: | Yield Test Method: Air | | Formation | n Description | | Thickness | Bottom |
| Pumping level 125.00 ft. | | Topsoil | | | | 1.00 | 1.00 |
| | | Sand & Gr | | | | 61.00 | 62.00 |
| | er Packed: Yes | Sand Coar | se | | | 78.00 | 140.00 |
| | r Packed: Yes | | | | | | |
| Screen Material Type: PVC-wire wra | | | | | | | |
| Screen Installation Type: Telescoped | | | | | | | |
| | Set Between | | | | | | 1 |
| 12.00 5.00 ft. | 133.00 ft. and 140.00 ft. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Fittings: None | | | | | | | |
| | | | | | | | |
| Well Grouted: Yes Grouting M | ethod: Unknown | Geology F | Remarks: | | | 1 | |
| Grouting Material Bags Additiv | • | <i>a</i> . | | | | | |
| Bentonite slurry 8.00 None | 0.00 ft. to 125.00 | π. | | | | | |
| | | | | | | | |
| Wellhead Completion: Pitless adapt | ter, 12 inches above grade | | | | | | |
| | , | Drilling Ma | achine Opera | ator Name: | WADE BU | DNIK | |
| Nearest Source of Possible Contamin | ation: | Employme | ent: Employ | ree | | | |
| 51 | Distance Direction | | | | | | |
| Septic tank 6 | 66 ft. Northwest | Controcto | - T | | <u> </u> | | |
| | | | | er Well Drillin JEFFERS WI | | | 83-1981 |
| | | Business | | JEFFERS WI | | IG INC. | |
| | | Lacinosa | | Well Contr | actor's C | ertification | |
| | | | | der my superv | | s report is true | |
| | | | | | | | |
| | | Signature | of Registere | ed Contractor | r | Date | |
| General Remarks: | | | | | | | |
| Other Remarks: | | | | | | | |

EQP-2017 (4/2010)





| Tax No: | Permit No: | County: Wexfe | ord | | Township: | Haring | | |
|--|-------------------------------|---------------------------------------|------------------------|------------------|-----------------------|---------------------|--------------------|--|
| | | Town/Range: | Section: | Well Status: | WSSN | Source | e ID/Well No: | |
| Well ID: 83000 | 008430 | 22N 09W Distance and D | 27 Direction from | Active | section: | | | |
| | | | | | 300000 | | | |
| Elevation: | | | | | | | | |
| Latitude: 44.267965 | | Well Owner: | EDWARD LE | IBLER | Ourse and Ada | | | |
| Longitude: -85.383726 | | 4920 MEYER | RD | | Owner Add 645 WEST | ress: Chester DF | RIVE | |
| Method of Collection: Interpola | ation-Map | CADILLAC, MI 49601 CADILLAC, MI 48723 | | | | | | |
| Drilling Method: Cable Tool | | Pump Inst | alled: Yes | 3 | Pump In | stallation Onl | v: No | |
| - | /ell Use: Household | | allation Date | - | HP: | | j | |
| | ate Completed: 4/29/1981 | Manufactu | urer: Unkn | own | | vpe: Submer | sible | |
| Casing Type: Unknown | Height: | Model Nu | | 0.00 % | Pump Ca | | | |
| Casing Joint: Threaded & coupled Casing Fitting: Drive shoe | | | Length: 6 Diameter: | 9.00 ft. | Pump Vo | Record ID: | | |
| Casing Fitting. Drive shoe | | | | : Unknown | | | | |
| Diameter: 4.00 in. to 84.00 ft. depth | | | Tank Installe | | | | | |
| | | Pressure | Relief Valve | Installed: | Unknown | | | |
| Borehole: | | | | | | | | |
| Borenole. | | | | | | | | |
| | | | | | | 1 | 1 | |
| Static Water Level: 59.00 ft. Well Yield Test: | Yield Test Method: Unknown | | Formatior | Description | | Thickness | Depth to Bottom | |
| Pumping level 69.00 ft. after 0.50 hrs. | | Sand Coar | se | | | 31.00 | 31.00 | |
| | | Gravel Fine | | | | 9.00 | 40.00 | |
| | | Sand Coar | se | | | 44.00 | 84.00 | |
| Unrestricted Flow Rate: | | | | | | | 1 | |
| | ilter Packed: Unknown ank: | | | | | | | |
| Screen Material Type: Stainless st | | | | | | | | |
| Screen Installation Type: Unknown | | | | | | | | |
| Slot Length | Set Between | | | | | | | |
| 10.00 5.00 ft. | 79.00 ft. and 84.00 ft. | | | | | | | |
| | | | | | | | | |
| Fittings: Unknown | | | | | | | | |
| | | | | | | | | |
| | | Geology F | Remarks: | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Wellhead Completion: Pitless ada | apter | | | | | | | |
| Nearest Source of Possible Contam | ination: | Drilling Ma | achine Opera | ator Name: | | | | |
| Туре | Distance Direction | Employme | ent: Unknov | vn | | | | |
| Unknown | | Contracto | r Typor Ma | | | Der Ne | 04 4000 | |
| Abandoned Well Plugged: Unknow | N/D | | | ter Well Drillin | | Reg No: | 84-1089 | |
| Asandoned Wen Flugged. Onknow | | | | 2610 S 41 RD | | MI, 49601 | | |
| | | | | | | ertification | | |
| | | This well a | nd/or pump ii | nstallation was | s performed | under my regis | stration. | |
| | Casing Removed: | | | | | | | |
| | | Signature | of Posister | d Contract- | - | Data | | |
| General Remarks: | | Joignature | or Registere | ed Contractor | 1 | Date | | |
| Other Remarks: | | | | | | | | |





| Tax No: 2209-PP-001 | Permit No: | County: Wexford | | | Township: Haring | | | |
|--|---|---|---|--------------|---|-------------------------------|--------------------|--|
| | | Town/Range: | Section: | Well Status: | WSSN | I: Source | e ID/Well No: | |
| Well ID: 8300000666 | | 22N 09W | 27 | Active | | | | |
| | | Distance and Direction from Road Intersection: MEYER AVENUE, PLEASANT PINES 01, N OF 13TH ST | | | | | | |
| Elevation: | | | | | | | | |
| Latitude: 44.267359 | | Well Owner: GROGAN, TIMOTHY C. | | | | | | |
| Longitude: -85.383712 | | Well Address: Owner Address: | | | | | | |
| Method of Collection: Interpolation-Map | | 4966 MEYER AVE CADILLAC, MI 49601 | | | 810 WEST DIVISION ST. CADILLAC, MI 49601 | | | |
| · · · | | | | | | | | |
| Drilling Method: Cable Tool | | Pump Installed: Yes Pump Installation Only: No | | | | | | |
| Well Depth:76.00 ft.Well Use:HouseholdWell Type:NewDate Completed:10/28/1997 | | | | | HP: | HP: Pump Type: Submersible | | |
| Casing Type: Steel - black Height: 1.50 ft. above grade | | | | | | Pump Capacity: 0 GPM | | |
| Casing Joint: Threaded & coupled | | | | | | ump Voltage: | | |
| Casing Fitting: Drive shoe | | Drop Pipe | Drop Pipe Diameter: Drilling Record ID: | | | | | |
| | | | Draw Down Seal Used: No | | | | | |
| Diameter: 4.00 in. to 71.00 ft. depth | | Fank Installe | | Na | | | | |
| | | Pressure | Relief Valve | Installed: | No | | | |
| Borehole: | | | | | | | | |
| | | | | | | | | |
| | | | | | | - | | |
| Static Water Level: 40.00 ft. Below Gra Well Yield Test: | ade (ield Test Method: Unknown | | Formatior | Description | | Thickness | Depth to Bottom | |
| | | Topsoil | | | | 1.00 | 1.00 | |
| | | Red Sand | | | | 5.00 | 6.00 | |
| | | Gravel San | idy | | | 30.00 | 36.00 | |
| Screen Installed: Yes Filter Packed: No | | Light Brown | n Sand Fine | To Medium | | 40.00 | 76.00 | |
| Screen Diameter: 3.00 in. Blank: 1.50 ft. Above | | | | | | | | |
| Screen Material Type: Stainless steel-wire wrapped | | | | | | | | |
| Screen Installation Type: Unknown Slot Length | Set Between | | | | | + | | |
| | 72.00 ft. and 75.00 ft. | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Fittings: Neoprene packer | | | | | | | | |
| | | | | | | | | |
| Well Grouted: Yes Grouting Me | thod: Unknown | Geology R | emarks: | | | | | |
| Grouting Material Bags Additive | Coology II | emarko. | | | | | | |
| Other 0.00 None | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Wellhead Completion: Pitless adapted | U C | Drilling Ma | chine Oner | ator Name | BFRNAR |) PRIFI IPP | | |
| Nearest Source of Possible Contamination: | | Drilling Machine Operator Name: BERNARD PRIELIPP Employment: Unknown | | | | | | |
| Type D | | | | | | | | |
| Septic tank 5 | 0 ft. South | | | | | | | |
| | | | Contractor Type: Water Well Drilling Contractor Reg No: 57-1943 Business Name: | | | | | |
| | | | Business Address: | | | | | |
| | | Water Well Contractor's Certification | | | | | | |
| | This well was drilled under my supervision and this report is true to the best of | | | | | | | |
| | | dge and belie | | | | | | |
| | | | | | | | | |
| | | Signature of Registered Contractor Date | | | | | | |
| General Remarks: LOC DESC, ADDRESS, LAT LONG, AH 11/28/2023 | | | | | | | | |
| Other Remarks: Grouting Material 1:Listed as other in Wellkey EQP-2017 (4/2010) Page 1 of 1 LHD 2/18/2000 11:29 PM | | | | | | | | |
| Los - 2017 (+/2010) Page | | | | | | LID 2/10/4 | -000 II.29 FIVI | |