

854343

County Wright  
Quad  
Quad ID

MINNESOTA DEPARTMENT OF HEALTH  
WELL AND BORING REPORT  
Minnesota Statutes Chapter 1031

Entry Date  
Update Date 02/16/2024  
Received Date 08/07/2023

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          |                                                                                                                               |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|-------------------------|------------------------|--------------------|-----------------|----------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------|--------|------------------------------------------|---------------|----------------------------------------|----|-------------|------|-----------------|----|--------------|-------|--------|---------------|----|----|-------|--------|---------------|----|----|--------|------|-------------|----|----|------|--------|-------------------------------------|--|-----------------------|--|
| <b>Well Name</b><br>KEYS, NICOLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                        |  |                         | <b>Township</b><br>121 | <b>Range</b><br>27 | <b>Dir</b><br>W | <b>Section</b><br>17 | <b>Subsection</b><br>DDD | <b>Well Depth</b><br>80 ft.                                                                                                   |      | <b>Depth Completed</b><br>80 ft.        |        | <b>Date Well Completed</b><br>01/20/2023 |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Elevation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                        |  |                         | <b>Elev. Method</b>    |                    |                 |                      |                          | <b>Drill Method</b><br>Non-specified Rotary                                                                                   |      | <b>Drill Fluid</b><br>Bentonite         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Address</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                        |  |                         |                        |                    |                 |                      |                          | <b>Use</b><br>domestic                                                                                                        |      | <b>Status</b><br>Active                 |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| C/W 8643 24 SH NW ANNANDALE MN 55302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                        |  |                         |                        |                    |                 |                      |                          | <b>Well Hydrofractured?</b>                                                                                                   |      | Yes <input type="checkbox"/>            |        | No <input type="checkbox"/>              |               | <b>From</b>                            |    | <b>To</b>   |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Stratigraphy Information</b> <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>CLAY + GRAVEL</td><td>0</td><td>17</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND + GRAVEL</td><td>17</td><td>33</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY + GRAVEL</td><td>33</td><td>45</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND + GRAVEL</td><td>45</td><td>80</td><td>VARIED</td><td>SOFT</td></tr><tr><td>CLAY + SAND</td><td>80</td><td>80</td><td>GRAY</td><td>MEDIUM</td></tr></table> |  |                        |  |                         |                        |                    |                 |                      |                          | Geological Material                                                                                                           | From | To (ft.)                                | Color  | Hardness                                 | CLAY + GRAVEL | 0                                      | 17 | BROWN       | SOFT | SAND + GRAVEL   | 17 | 33           | BROWN | MEDIUM | CLAY + GRAVEL | 33 | 45 | BROWN | MEDIUM | SAND + GRAVEL | 45 | 80 | VARIED | SOFT | CLAY + SAND | 80 | 80 | GRAY | MEDIUM | <b>Casing Type</b><br>Single casing |  | <b>Joint</b><br>Glued |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | Geological Material                                                                                                           | From | To (ft.)                                | Color  | Hardness                                 |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | CLAY + GRAVEL                                                                                                                 | 0    | 17                                      | BROWN  | SOFT                                     |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | SAND + GRAVEL                                                                                                                 | 17   | 33                                      | BROWN  | MEDIUM                                   |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | CLAY + GRAVEL                                                                                                                 | 33   | 45                                      | BROWN  | MEDIUM                                   |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | SAND + GRAVEL                                                                                                                 | 45   | 80                                      | VARIED | SOFT                                     |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | CLAY + SAND                                                                                                                   | 80   | 80                                      | GRAY   | MEDIUM                                   |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | <b>Drive Shoe?</b>                                                                                                            |      | Yes <input type="checkbox"/>            |        | No <input checked="" type="checkbox"/>   |               | <b>Above/Below</b>                     |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | <b>Casing Diameter</b>                                                                                                        |      | <b>Weight</b>                           |        | <b>Hole Diameter</b>                     |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | 4 in. To                                                                                                                      |      | 70 ft. 1.9 lbs./ft.                     |        | 6.7 in. To 80 ft.                        |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Open Hole</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | From                   |  | ft.                     |                        | To                 |                 | ft.                  |                          |                                                                                                                               |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Screen?</b> <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>Type</b><br>plastic |  | <b>Make</b><br>BIG FOOT |                        |                    |                 |                      |                          |                                                                                                                               |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Slot/Gauze             |  | Length                  |                        | Set                |                 |                      |                          |                                                                                                                               |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| 4 in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 20                     |  | 10 ft.                  |                        | 70 ft. 80 ft.      |                 |                      |                          |                                                                                                                               |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Static Water Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                        |  |                         |                        |                    |                 |                      |                          | 47 ft.                                                                                                                        |      | land surface                            |        | Measure                                  |               | 01/20/2023                             |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Pumping Level (below land surface)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                        |  |                         |                        |                    |                 |                      |                          | 75 ft.                                                                                                                        |      | 2 hrs.                                  |        | Pumping at                               |               | 35 g.p.m.                              |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Wellhead Completion</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |                         |                        |                    |                 |                      |                          | Pitless adapter manufacturer                                                                                                  |      | AQUA SEAL                               |        | Model                                    |               | T4-1                                   |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <input type="checkbox"/> Casing Protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |                         |                        |                    |                 |                      |                          | <input checked="" type="checkbox"/> 12 in. above grade                                                                        |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                        |  |                         |                        |                    |                 |                      |                          |                                                                                                                               |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Grouting Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |  |                         |                        |                    |                 |                      |                          | Well Grouted?                                                                                                                 |      | <input checked="" type="checkbox"/> Yes |        | <input type="checkbox"/> No              |               | <input type="checkbox"/> Not Specified |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                        |  |                         |                        |                    |                 |                      |                          | Amount                                                                                                                        |      | From                                    |        | To                                       |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| high solids bentonite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                        |  |                         |                        |                    |                 |                      |                          | 5 Sacks                                                                                                                       |      |                                         |        | ft. 50 ft.                               |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Nearest Known Source of Contamination</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |                         |                        |                    |                 |                      |                          | 57 feet                                                                                                                       |      | West Direction                          |        | Other Type                               |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Well disinfected upon completion?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |                         |                        |                    |                 |                      |                          | <input checked="" type="checkbox"/> Yes                                                                                       |      | <input type="checkbox"/> No             |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Pump</b> <input type="checkbox"/> Not Installed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                        |  |                         |                        |                    |                 |                      |                          | Date Installed                                                                                                                |      | 01/20/2023                              |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Manufacturer's name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                        |  |                         |                        |                    |                 |                      |                          | FRANKLIN                                                                                                                      |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Model Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |                         |                        |                    |                 |                      |                          | 10FB05                                                                                                                        |      | HP                                      |        | 0.5                                      |               | Volt                                   |    | 115         |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Length of drop pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                        |  |                         |                        |                    |                 |                      |                          | 60 ft                                                                                                                         |      | Capacity                                |        | 12 g.p.                                  |               | Typ                                    |    | Submersible |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Abandoned</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                        |  |                         |                        |                    |                 |                      |                          | Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Variance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |                         |                        |                    |                 |                      |                          | Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No        |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Miscellaneous</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                        |  |                         |                        |                    |                 |                      |                          | First Bedrock                                                                                                                 |      |                                         |        |                                          |               |                                        |    |             |      | Aquifer         |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Last Strat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |                         |                        |                    |                 |                      |                          | Depth to Bedrock                                                                                                              |      |                                         |        |                                          |               |                                        |    |             |      | ft              |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Located by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |                         |                        |                    |                 |                      |                          | Locate Method                                                                                                                 |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                        |  |                         |                        |                    |                 |                      |                          | UTM - NAD83, Zone 15, Meters                                                                                                  |      | X                                       |        | Y                                        |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Unique Number Verification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |                         |                        |                    |                 |                      |                          | Input Date                                                                                                                    |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                        |  |                         |                        |                    |                 |                      |                          |                                                                                                                               |      |                                         |        |                                          |               |                                        |    |             |      |                 |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| <b>Well Contractor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                        |  |                         |                        |                    |                 |                      |                          | Alberg Water Services, Inc.                                                                                                   |      |                                         |        |                                          |               |                                        |    |             |      | 2423            |    | ALBERG, GREG |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |
| Licensee Business                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |                         |                        |                    |                 |                      |                          | Lic. or Reg. No.                                                                                                              |      |                                         |        |                                          |               |                                        |    |             |      | Name of Driller |    |              |       |        |               |    |    |       |        |               |    |    |        |      |             |    |    |      |        |                                     |  |                       |  |