

## SOUTH DAKOTA WATER WELL COMPLETION REPORT

2024

| <div>Location <u>SW</u> <math>\frac{1}{4}</math> <u>NW</u> <math>\frac{1}{4}</math> Sec <u>35</u> Twp <u>119</u> Rg <u>52R</u></div> <div>County <u>Codington</u></div> <div>GPS Coordinates<br/>Lat: <u>45 02 35.03N</u><br/>Lon: <u>97 08 32.93W</u></div> <div style="text-align: center;"><div>North</div><div style="display: flex; align-items: center; justify-content: center;"><div style="border: 1px dashed black; width: 150px; height: 150px; position: relative;"><div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 1px solid black;"></div></div><div style="margin: 0 10px;">W</div><div style="margin: 0 10px;">E</div></div><div style="text-align: center; margin-top: 5px;">1 Mile</div></div> <div>Please mark well location with an "X" on section grid</div> <div>Well Completion Date<br/><u>9/23/2024</u></div> <div>Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)<br/><u>85</u> ft. from <u>Floor Drain</u> (identify source)</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | <div>Well Owner: <u>Laura Roehr</u></div> <div>Business Name: <u>Three Oaks Farm Trust</u></div> <div>Address: <u>2620 Olympic Blvd</u></div> <div>City, State, Zip: <u>Puyallup, WA 98374</u></div> <div><b>WELL LOG:</b><table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th rowspan="2">FORMATION</th><th colspan="2">DEPTH</th></tr><tr><th>FROM</th><th>TO</th></tr></thead><tbody><tr><td>Top Soil</td><td>0.0</td><td>1.0</td></tr><tr><td>Clay, Yellow</td><td>1.0</td><td>39.0</td></tr><tr><td>Clay, Blue, V Gummy</td><td>39.0</td><td>274.0</td></tr><tr><td>Sand, Blue</td><td>274.0</td><td>275.0</td></tr><tr><td>Clay, Blue, V Gummy</td><td>275.0</td><td>327.0</td></tr><tr><td>Sand, Yellow, 20slt</td><td>327.0</td><td>328.0</td></tr><tr><td>Clay, D Blue, V Gummy</td><td>328.0</td><td>354.0</td></tr><tr><td>Sand, Blue</td><td>354.0</td><td>356.0</td></tr><tr><td>Clay, Blue, V Gummy</td><td>356.0</td><td>365.0</td></tr></tbody></table></div> <div><b>STATIC WATER LEVEL</b> <u>50.0</u> FEET<br/>If flowing: closed in pressure _____ PSI<br/>GPM flow _____ through _____ Inch pipe<br/>Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Reducers <input type="checkbox"/> Other _____<br/>Reduced flow rate _____ GPM<br/>Can well be completely shut in?</div> <div><b>WELL TEST DATA:</b><div style="float: right; text-align: center;"><b>RECEIVED</b><br/><b>DEC 31 2024</b><br/><b>OFFICE OF WATER</b></div><div><input type="checkbox"/> Pumped Describe:<br/><input type="checkbox"/> Bailed <input checked="" type="checkbox"/> Air<br/><input type="checkbox"/> Other<br/>Pumping Level Below Land Surface<br/><u>100.0</u> Ft. After <u>1.0</u> Hrs. pumped <u>30.0</u> GPM<br/>_____ Ft. After _____ Hrs. pumped _____ GPM<br/>If pump installed, pump rate: _____ GPM</div></div> <div><b>REMARKS</b><br/><u>Sand/Shale 365' - 400'</u><br/><br/><u>Site Address: 16142 453rd Ave, Watertown SD</u><br/><br/>This well was drilled under license # <u>463</u><br/>And this report is true and accurate.<br/>Drilling firm: <u>Steffl Drilling &amp; Pump Inc</u><br/>Signature of License Representative: _____<br/>Signature of Well Owner or Equitable Property Holder: _____<br/>Date: <u>11/10/24</u></div> |               | FORMATION       | DEPTH |               | FROM  | TO          | Top Soil    | 0.0           | 1.0           | Clay, Yellow | 1.0 | 39.0 | Clay, Blue, V Gummy | 39.0 | 274.0 | Sand, Blue | 274.0 | 275.0 | Clay, Blue, V Gummy | 275.0      | 327.0        | Sand, Yellow, 20slt | 327.0 | 328.0 | Clay, D Blue, V Gummy | 328.0     | 354.0         | Sand, Blue    | 354.0           | 356.0 | Clay, Blue, V Gummy | 356.0  | 365.0 |    |
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| FORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| Top Soil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Clay, Yellow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Clay, Blue, V Gummy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Sand, Blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Clay, Blue, V Gummy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Sand, Yellow, 20slt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Clay, D Blue, V Gummy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Sand, Blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Clay, Blue, V Gummy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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    |                     |        |       |    |
| <div><b>PROPOSED USE:</b><br/><input checked="" type="checkbox"/> Domestic/Stock <input type="checkbox"/> Municipal <input type="checkbox"/> Business <input type="checkbox"/> Monitoring Well<br/><input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Test Hole<br/><input type="checkbox"/> Dewatering Well <input type="checkbox"/> Geothermal <input type="checkbox"/> Other _____</div> <div><b>METHOD OF DRILLING:</b> <u>Mud Rotary</u></div> <div><b>CASING DATA:</b> <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Other<br/>If other describe _____<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>PIPEWEIGHT</th><th>DIAMETER</th><th>FROM</th><th>TO</th><th>HOLE DIAMETER</th></tr></thead><tbody><tr><td>LB/FT</td><td><u>4 IN</u></td><td><u>0 FT</u></td><td><u>380 FT</u></td><td><u>6.5 IN</u></td></tr><tr><td>LB/FT</td><td>IN</td><td>FT</td><td>FT</td><td>IN</td></tr><tr><td>LB/FT</td><td>IN</td><td>FT</td><td>FT</td><td>IN</td></tr></tbody></table></div> <div><b>GROUTING DATA:</b><table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Grout Type</th><th>No. of Sacks</th><th>Grout Weight</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>HS Bentonite</u></td><td><u>27</u></td><td><u>Lb/gal</u></td><td><u>0.0 Ft</u></td><td><u>380.0 Ft</u></td></tr><tr><td></td><td></td><td>Lb/gal</td><td>Ft</td><td>Ft</td></tr></tbody></table><div>Describe grouting procedure <u>Tremie</u></div></div> <div><b>SCREEN:</b> <input type="checkbox"/> Perforated pipe <input checked="" type="checkbox"/> Manufactured<br/>Diameter <u>4"TS</u> Inches Length <u>20.0</u> Feet<br/>Material <u>Stainless Steel</u><br/>Slot Size <u>12</u> Set From <u>380.0</u> Feet to <u>400.0</u> Feet<br/>Other information _____</div> <div><b>WAS A PACKER OR SEAL USED?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br/>If so, what material? <u>Leader K-packer</u><br/>Describe packer(s) and location _____</div> <div><b>DISINFECTION:</b> Was well disinfected upon completion?<br/><input checked="" type="checkbox"/> Yes, How? <u>Chlorine</u><br/><input type="checkbox"/> No, Why Not? _____<br/>Lab sample sent to for water quality analysis <u>Yes, RMB Laboratories</u></div> |              | PIPEWEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DIAMETER      | FROM            | TO    | HOLE DIAMETER | LB/FT | <u>4 IN</u> | <u>0 FT</u> | <u>380 FT</u> | <u>6.5 IN</u> | LB/FT        | IN  | FT   | FT                  | IN   | LB/FT | IN         | FT    | FT    | IN                  | Grout Type | No. of Sacks | Grout Weight        | From  | To    | <u>HS Bentonite</u>   | <u>27</u> | <u>Lb/gal</u> | <u>0.0 Ft</u> | <u>380.0 Ft</u> |       |                     | Lb/gal | Ft    | Ft |
| PIPEWEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| LB/FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| LB/FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| LB/FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Grout Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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    |                     |        |       |    |
| <u>HS Bentonite</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u>27</u>    | <u>Lb/gal</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>0.0 Ft</u> | <u>380.0 Ft</u> |       |               |       |             |             |               |               |              |     |      |                     |      |       |            |       |       |                     |            |              |                     |       |       |                       |           |               |               |                 |   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    |                     |        |       |    |

Please return White Copy to DANR Water Rights 523 E. Capitol Ave., Pierre SD 57501

Laboratory Results  
October 11, 2024

Report To: Steffl Drilling & Pump  
2295 66th Ave NE  
Willmar, MN, 56201

Bill To: Steffl Drilling & Pump  
2295 66th Ave NE  
Willmar, MN, 56201

Lab Code: D066874-01  
Matrix: Water  
Date/Time Sampled: 09/30/2024 10:00  
Date/Time Received: 09/30/2024 18:07  
Samplers:  
Sample Receipt Temperature °C 4.9

Sample Description: 16142 453rd Ave, Watertown, SD 57201  
Property Owner Name: Laura Roehr  
Sampling Point: Well  
Unique Well ID:  
Sample Receipt Information: Samples received on ice.  
Samples received same day as collected.

| Analyte                                                                                                                                               | Result   | Units | Analyte Qualifiers | RL     | DF  | Allowable Limit | Analysis Method   | Preparation Method | Analyzed       | Facility |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|--------------------|--------|-----|-----------------|-------------------|--------------------|----------------|----------|
| <b>Chemistry Parameters</b>                                                                                                                           |          |       |                    |        |     |                 |                   |                    |                |          |
| Nitrate as N                                                                                                                                          | < 0.0300 | mg/L  |                    | 0.0300 | 1   | 10              | EPA 353.2 (calc.) |                    | 10/01/24 14:59 | DL       |
| Laboratory Interpretation: The Nitrate as N result <b>MEETS</b> the primary drinking water standards set by the US Environmental Protection Agency.   |          |       |                    |        |     |                 |                   |                    |                |          |
| Specific conductance                                                                                                                                  | 2460     | uS/cm |                    | 5.0    | 1   | -               | SM2510 B-2011     |                    | 10/03/24 16:40 | DL       |
| Sulfate as SO4                                                                                                                                        | 1420     | mg/L  |                    | 50.0   | 100 | -               | EPA 300.0         | EPA 300.0/9056A    | 10/01/24 12:16 | DL       |
| <b>Metals</b>                                                                                                                                         |          |       |                    |        |     |                 |                   |                    |                |          |
| Sodium                                                                                                                                                | 255      | mg/L  |                    | 10.0   | 10  | -               | EPA 200.7         | EPA 200.7          | 10/08/24 21:34 | DL       |
| <b>Microbiological</b>                                                                                                                                |          |       |                    |        |     |                 |                   |                    |                |          |
| Total Coliform Bacteria                                                                                                                               | Absent   | N/A   |                    | 1      | 1   | Absent          | SM9223B-16        | Colilert           | 09/30/24 20:22 | DL       |
| Laboratory Interpretation: The Total Coliform result <b>MEETS</b> the primary drinking water standards set by the US Environmental Protection Agency. |          |       |                    |        |     |                 |                   |                    |                |          |
| E. Coli Bacteria                                                                                                                                      | Absent   | N/A   |                    | 1      | 1   | Absent          | SM9223B-16        | Colilert           | 09/30/24 20:22 | DL       |
| Laboratory Interpretation: The E. Coli result <b>MEETS</b> the primary drinking water standards set by the US Environmental Protection Agency.        |          |       |                    |        |     |                 |                   |                    |                |          |

**Qualifiers and Definitions**

| Item | Definition                                                                  |
|------|-----------------------------------------------------------------------------|
| RL   | Reporting Limit                                                             |
| DF   | Dilution Factor                                                             |
| DL   | Indicates test performed by RMB Environmental Laboratories - Detroit Lakes. |

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