

JUN 10 2021

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Board of Water Well Contractors within 30 days after completion or abandonment of the well.

STATE WATER COMMISSION

1. WELL OWNER Name <u>Rocky Schlosser</u> Address <u>Mandan ND</u> 2. WELL LOCATION Sketch map location must agree with written location. NORTH County <u>Morton</u> <u>1/4 NE 1/4 NE 1/4 Sec. 23 Twp. 138 N. Rg. 81 W.</u> 3. PROPOSED USE <table border="0"><tr><td>☐ Domestic</td><td>☐ Geothermal</td><td>☐ Monitoring</td></tr><tr><td>☒ Stock</td><td>☐ Irrigation</td><td>☐ Industrial</td></tr><tr><td></td><td>☐ Municipal</td><td>☐ Test Hole</td></tr></table> 4. METHOD DRILLED <table border="0"><tr><td>☐ Cable</td><td>☐ Reverse Rotary</td><td>☐ Bored</td></tr><tr><td>☒ Forward Rotary</td><td>☐ Jetted</td><td>☐ Auger</td></tr></table> If other, specify _____ 5. WATER QUALITY Was a water sample collected for: Chemical Analysis? ☐ Yes ☒ No Bacteriological Analysis? ☐ Yes ☒ No If so, to what laboratory was it sent? _____ 6. WELL CONSTRUCTION Diameter of hole <u>7 7/8</u> inches. Depth <u>330</u> feet. Casing: ☐ Steel ☒ Plastic ☐ Concrete ☐ Threaded ☐ Welded ☐ Other If other, specify _____ <table border="0"><tr><td>Pipe Weight:</td><td>Diameter:</td><td>From:</td><td>To:</td></tr><tr><td><u>SDR 17</u> lb/ft</td><td><u>4.5</u> inches</td><td><u>0</u> feet</td><td><u>330</u> feet</td></tr><tr><td>_____ lb/ft</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ lb/ft</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></table> Was perforated pipe used? ☒ Yes ☐ No Perforated pipe set from <u>300</u> ft. to <u>330</u> feet Was casing left open end? ☐ Yes ☒ No Was a well screen installed? ☒ Yes ☐ No Material _____ Diameter _____ inches Slot Size <u>20</u> set from <u>300</u> feet to <u>330</u> feet Slot Size _____ set from _____ feet to _____ feet Was packer or seal used? ☐ Yes ☒ No If so, what material _____ Depth _____ ft. Type of well: Straight screen ☐ Gravel packed ☒ Depth grouted: From <u>7-30</u> To <u>280-295</u> Grouting Material: Cement _____ Other _____ If other, explain: <u>BENT CHIPS</u> Well head completion: Pitless unit <u>YES</u> 12" above grade <u>YES</u> Other _____ If other, specify _____ Was pump installed? ☒ Yes ☐ No Was well disinfected upon completion? ☒ Yes ☐ No	☐ Domestic	☐ Geothermal	☐ Monitoring	☒ Stock	☐ Irrigation	☐ Industrial		☐ Municipal	☐ Test Hole	☐ Cable	☐ Reverse Rotary	☐ Bored	☒ Forward Rotary	☐ Jetted	☐ Auger	Pipe Weight:	Diameter:	From:	To:	<u>SDR 17</u> lb/ft	<u>4.5</u> inches	<u>0</u> feet	<u>330</u> feet	_____ lb/ft	_____ inches	_____ feet	_____ feet	_____ lb/ft	_____ inches	_____ feet	_____ feet	7. WATER LEVEL Static water level <u>214</u> feet below surface If flowing: closed-in pressure _____ psi GPM flow _____ through _____ inch pipe Controlled by: ☐ Valve ☐ Reducers ☐ Other If other, specify _____ 8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Other Pumping level below land surface: <u>239</u> ft. after <u>4</u> hrs. pumping <u>11</u> gpm _____ ft. after _____ hrs. pumping _____ gpm _____ ft. after _____ hrs. pumping _____ gpm 9. WELL LOG<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th rowspan="2">Formation</th><th colspan="2">Depth (ft.)</th></tr><tr><th>From</th><th>To</th></tr></thead><tbody><tr><td>Top Soil</td><td>0</td><td>1</td></tr><tr><td>Yellow Loam</td><td>2</td><td>12</td></tr><tr><td>Yellow Sand</td><td>12</td><td>15</td></tr><tr><td>Brown Coarse Sand</td><td>15</td><td>18</td></tr><tr><td>Sandstone</td><td>18</td><td>19</td></tr><tr><td>Coarse Brown Sand</td><td>19</td><td>24</td></tr><tr><td>Sand Stone</td><td>24</td><td>25</td></tr><tr><td>Yellow Sandy Clay</td><td>25</td><td>43</td></tr><tr><td>Gray Clay</td><td>43</td><td>108</td></tr><tr><td>Rock Wedge</td><td>108</td><td>109</td></tr><tr><td>Hard Gray Clay</td><td>109</td><td>200</td></tr><tr><td>Gray Clay w/ fine sand st.</td><td>200</td><td>220</td></tr><tr><td>Gray Clay</td><td>220</td><td>225</td></tr><tr><td>Coal</td><td>225</td><td>227</td></tr><tr><td>Gray Clay</td><td>227</td><td>240</td></tr><tr><td>Sandy Gray Clay</td><td>240</td><td>245</td></tr><tr><td>Fine Gray Sand</td><td>245</td><td>254</td></tr><tr><td>Sandstone</td><td>254</td><td>263</td></tr></tbody></table> (Use separate sheet if necessary) 10. DATE COMPLETED <u>3-10-21</u> 11. WAS WELL PLUGGED OR ABANDONED? ☐ Yes ☒ No If so, how _____ 12. REMARKS: 13. DRILLER'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. <u>Earth Energy & Water Sys. 153</u> Driller's or Firm's Name _____ Certificate No. _____ <u>New Salem ND</u> Address _____ <u>Dan Marshall</u> Signed by _____ Date <u>3-10-21</u>	Formation	Depth (ft.)		From	To	Top Soil	0	1	Yellow Loam	2	12	Yellow Sand	12	15	Brown Coarse Sand	15	18	Sandstone	18	19	Coarse Brown Sand	19	24	Sand Stone	24	25	Yellow Sandy Clay	25	43	Gray Clay	43	108	Rock Wedge	108	109	Hard Gray Clay	109	200	Gray Clay w/ fine sand st.	200	220	Gray Clay	220	225	Coal	225	227	Gray Clay	227	240	Sandy Gray Clay	240	245	Fine Gray Sand	245	254	Sandstone	254	263
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NAME: Rocky Schlosser		
Mandan, ND		
COUNTY: Morton		
SECTION: 23		
TOWNSHIP: 138		
RANGE: 81		
FORMATION	Depth (ft.) FROM	Depth (ft.) TO
Fine Gray Sand	255	263
Coal	263	264
Gray Clay	264	280
Medium Blue Sand	280	290
Course Blue Sand	290	331
Rock Ledge	331	332
Brown Clay	332	340

RECEIVED

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