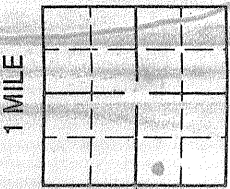


WELL DRILLER'S REPORT

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.

1. WELL OWNER Name <u>Dean Larson</u> Address <u>Lemmon, S. Dak. 57638</u>	7. WATER LEVEL Static water level <u>90</u> feet below surface If flowing: closed-in pressure _____ psi GPM flow _____ through _____ inch pipe Controlled by: ☐ Valve ☐ Reducers ☐ Other If other, specify _____																																															
2. WELL LOCATION Sketch map location must agree with written location. NORTH  1 MILE X County <u>SIOUX</u> Sec. (1 mile) <u>7</u> X <u>SW 1/4</u> <u>SE 1/4</u> <u>SW 1/4</u> Sec. <u>7</u> Twp. <u>129</u> N. Rg. <u>90</u> W.	8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Other Pumping level below land surface: <u>140</u> ft. after <u>2</u> hrs. pumping <u>8</u> gpm _____ ft. after _____ hrs. pumping _____ gpm _____ ft. after _____ hrs. pumping _____ gpm																																															
3. PROPOSED USE ☐ Domestic ☐ Geothermal ☐ Monitoring ☒ Stock ☐ Irrigation ☐ Industrial ☐ Municipal ☐ Test Hole	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>Brown sand</td><td>0</td><td>12</td></tr><tr><td>Brown shale</td><td>12</td><td>20</td></tr><tr><td>Grey shale</td><td>20</td><td>39</td></tr><tr><td>Mud</td><td>39</td><td>40 1/2</td></tr><tr><td>Water sand</td><td>40 1/2</td><td>44</td></tr><tr><td>Grey shale</td><td>44</td><td>54</td></tr><tr><td>Mud</td><td>54</td><td>54 1/2</td></tr><tr><td>Grey shale</td><td>54 1/2</td><td>100</td></tr><tr><td>Shale</td><td>100</td><td>112</td></tr><tr><td>Mud</td><td>112</td><td>113</td></tr><tr><td>Grey shale</td><td>113</td><td>152</td></tr><tr><td>Mud</td><td>152</td><td>157 1/2</td></tr><tr><td>Water sand</td><td>157 1/2</td><td>195</td></tr><tr><td>Sandy shale</td><td>195</td><td>200</td></tr></tbody></table>	Formation	Depth (ft.)		From	To	Brown sand	0	12	Brown shale	12	20	Grey shale	20	39	Mud	39	40 1/2	Water sand	40 1/2	44	Grey shale	44	54	Mud	54	54 1/2	Grey shale	54 1/2	100	Shale	100	112	Mud	112	113	Grey shale	113	152	Mud	152	157 1/2	Water sand	157 1/2	195	Sandy shale	195	200
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4. METHOD DRILLED ☐ Cable ☐ Reverse Rotary ☐ Bored ☒ Forward Rotary ☐ Jetted ☐ Auger If other, specify _____	10. DATE COMPLETED <u>8-6-99</u>																																															
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? <u>2045 1st Ave. Bismarck ND</u>	11. WAS WELL PLUGGED OR ABANDONED? ☐ Yes ☒ No If so, how _____																																															
6. WELL CONSTRUCTION Diameter of hole <u>6 3/4</u> inches. Depth <u>200</u> feet. Casing: ☐ Steel ☒ Plastic ☐ Concrete ☐ Threaded ☐ Welded ☐ Other If other, specify _____ Pipe Weight: Diameter: From: To: <u>250</u> lb/ft <u>4 1/2</u> inches <u>0</u> feet <u>200</u> feet _____ lb/ft _____ inches _____ feet _____ feet _____ lb/ft _____ inches _____ feet _____ feet Was perforated pipe used? ☐ Yes ☐ No Perforated pipe set from _____ ft to _____ feet Was casing left open end? ☒ Yes ☐ No Was a well screened installed? ☒ Yes ☐ No Material <u>Slotting</u> Diameter <u>4 1/2</u> inches Slot Size _____ set from _____ feet to _____ feet Slot Size _____ set from _____ feet to _____ feet Was packer or seal used? ☒ Yes ☐ No If so, what material <u>Bulkhead</u> Depth <u>60</u> ft. (stainless steel, bronze, etc.) Type of well: Straight screen ☒ Gravel packed ☐ Depth grouted: From <u>30'</u> To <u>6'</u> Grouting Material: Cement _____ Other <u>Y</u> If other explain: <u>Perimeter chips</u> Well head completion: Pitless unit _____ 12" above grade _____ Other _____ If other, specify _____ Was pump installed: ☒ Yes ☐ No Was well disinfected upon completion? ☒ Yes ☐ No	12. REMARKS: <u>The well was drilled on a slope.</u> <u>The well has drilled cutting from</u> <u>seal to 30' 30' to 6' Perimeter chips.</u> <u>Pitless unit to be installed by plumber.</u>																																															
13. DRILLER'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. <u>David E. Larson</u> Driller's or Firm's Name <u>4681 Box 49 A, Lemmon S. Dak 57638</u> Address <u>David E. Larson</u> Signed by <u>8-12-99</u> Date	13. DRILLER'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. <u>David E. Larson</u> Driller's or Firm's Name <u>4681 Box 49 A, Lemmon S. Dak 57638</u> Address <u>David E. Larson</u> Signed by <u>8-12-99</u> Date																																															