

WELL LOG REPORT

File No. _____

State law requires that the Bureau's copy be filed by the water well driller within 60 days after completion of the well.

1. WELL OWNER Name <u>Robert M. & Virginia R. Reed</u>	f) Duration of test: Pumping time <u>3</u> hrs. g) Recovery time <u>hrs.</u> h) Recovery water level <u>45</u> ft. at <u>three</u> hrs. after pumping stopped. Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form. NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports.																																																																													
2. CURRENT MAILING ADDRESS <u>Our Point of View Motel</u> <u>Bigfork, Montana 59911</u>	11. WAS WELL PLUGGED OR ABANDONED? Yes ☒ No ☐ If yes, how? _____																																																																													
3. WELL LOCATION <u>SW</u> <u>1/4</u> <u>SW</u> <u>1/4</u> <u>NE</u> <u>1/4</u> Section <u>5</u> Township <u>25N</u> N/S Range <u>19W</u> E/W County <u>Lake</u> Gov't Lot <u>2</u> , or Lot _____, Block _____ Subdivision Name _____ Tract Number _____	12. WELL LOG <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Depth (ft.)</th> <th rowspan="2">Formation</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr><td>0</td><td>7</td><td>Overburden.</td></tr> <tr><td>7</td><td>36</td><td>Broken gray & green rock.</td></tr> <tr><td>36</td><td>68</td><td>Harder light to dk green rock.</td></tr> <tr><td>68</td><td>102</td><td>Harder purple & gray rock in alt layers.</td></tr> <tr><td>102</td><td>113</td><td>Lt to dark purple rock.</td></tr> <tr><td>113</td><td>140</td><td>Harder green rock.</td></tr> <tr><td>140</td><td>169</td><td>Green rock w/ thin layers of gray & purple.</td></tr> <tr><td>169</td><td>180</td><td>S1 fract purple rock w/ green seams - seeps.</td></tr> <tr><td>180</td><td>200</td><td>Purple rock with green seams.</td></tr> <tr><td>200</td><td>234</td><td>Green & light to dk gray rock in alt layers.</td></tr> <tr><td>234</td><td>280</td><td>Slightly fractured lt to dark green rock.</td></tr> <tr><td></td><td></td><td>Seeps of water.</td></tr> <tr><td>280</td><td>320</td><td>Green & lt gray rock in alt layers.</td></tr> <tr><td>320</td><td>355</td><td>S1 fract mixed light green, lt gray & lt purple rock - seeps of water.</td></tr> <tr><td>355</td><td>420</td><td>S1 fract lt gray, purple & lt green rock - seeps of water.</td></tr> <tr><td>420</td><td>460</td><td>Lt gray, purple & lt green rock in alt layers.</td></tr> <tr><td>460</td><td>520</td><td>S1 fract lt green & gray rock - seeps.</td></tr> <tr><td>520</td><td>568</td><td>S1 fract lt green, gray & purple rock - seeps of water.</td></tr> <tr><td>568</td><td>602</td><td>S1 fract lt green, gray & purple rock w/ lt tan seams - seeps of water.</td></tr> <tr><td>602</td><td>642</td><td>Harder green, gray & purple rock in alt layer.</td></tr> <tr><td>642</td><td>648</td><td>Slightly fract dk green rock - seeps.</td></tr> <tr><td>648</td><td>662</td><td>Softer dk green, lt green & gray rock.</td></tr> <tr><td>662</td><td>702</td><td>Light green, gray & purple rock - seeps.</td></tr> <tr><td></td><td></td><td>Nine gallons per minute total water.</td></tr> </tbody> </table>	Depth (ft.)		Formation	From	To	0	7	Overburden.	7	36	Broken gray & green rock.	36	68	Harder light to dk green rock.	68	102	Harder purple & gray rock in alt layers.	102	113	Lt to dark purple rock.	113	140	Harder green rock.	140	169	Green rock w/ thin layers of gray & purple.	169	180	S1 fract purple rock w/ green seams - seeps.	180	200	Purple rock with green seams.	200	234	Green & light to dk gray rock in alt layers.	234	280	Slightly fractured lt to dark green rock.			Seeps of water.	280	320	Green & lt gray rock in alt layers.	320	355	S1 fract mixed light green, lt gray & lt purple rock - seeps of water.	355	420	S1 fract lt gray, purple & lt green rock - seeps of water.	420	460	Lt gray, purple & lt green rock in alt layers.	460	520	S1 fract lt green & gray rock - seeps.	520	568	S1 fract lt green, gray & purple rock - seeps of water.	568	602	S1 fract lt green, gray & purple rock w/ lt tan seams - seeps of water.	602	642	Harder green, gray & purple rock in alt layer.	642	648	Slightly fract dk green rock - seeps.	648	662	Softer dk green, lt green & gray rock.	662	702	Light green, gray & purple rock - seeps.			Nine gallons per minute total water.
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4. PROPOSED USE: Domestic ☒ Stock ☐ Irrigation ☐ Other ☐ specify _____	13. DATE COMPLETED <u>May 10, 1994</u>																																																																													
5. TYPE OF WORK: New well ☒ Method: Dug ☐ Bored ☒ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐	14. DRILLER/CONTRACTOR'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. <u>June 24, 1994</u> Date <u>Liberty Drilling & Pump Company, Inc.</u>																																																																													
6. DIMENSIONS: Diameter of Hole Dia. <u>Ten</u> in. from <u>0</u> ft. to <u>37</u> ft. Dia. <u>Six</u> in. from <u>37</u> ft. to <u>702</u> ft. Dia. _____ in. from _____ ft. to _____ ft.																																																																														
7. CONSTRUCTION DETAILS: Casing: Steel Dia. <u>6 5/8</u> from <u>+3</u> ft. to <u>37</u> ft. Threaded ☐ Welded ☒ Dia. _____ from _____ ft. to _____ ft. Type <u>A53B</u> Wall Thickness <u>.250</u> Casing: Plastic Dia. <u>4 9/16</u> from <u>+3</u> ft. to <u>702</u> ft. Weight <u>Class 200</u> Dia. _____ from _____ ft. to _____ ft. PERFORATIONS: Yes ☒ No ☐ Type of perforator used <u>Shop Perforated</u> Size of perforations <u>1/8</u> in. by <u>six</u> in. <u>80</u> perforations from <u>500</u> ft. to <u>520</u> ft. <u>80</u> perforations from <u>582</u> ft. to <u>602</u> ft. <u>80</u> perforations from <u>682</u> ft. to <u>702</u> ft. SCREENS: Yes ☐ No ☒ Manufacturer's Name _____ Type _____ Model No. _____ Dia. _____ Slot size _____ from _____ ft. to _____ ft. Dia. _____ Slot size _____ from _____ ft. to _____ ft. GRAVEL PACKED: Yes ☐ No ☒ Size of gravel _____ Gravel placed from _____ ft. to _____ ft. GROUTED: To what depth? <u>37</u> ft. Material used in grouting <u>Cement Grout</u>																																																																														
8. WELL HEAD COMPLETION: Pitless Adapter ☒ Yes ☐ No																																																																														
9. PUMP (if installed) Manufacturer's name <u>Gould</u> Type <u>Subm</u> Model No. <u>10EJ10</u> HP. <u>One</u>																																																																														
10. WELL TEST DATA The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing. All wells under 100 gpm must be tested for a minimum of one hour and provide the following information: a) Air ☒ Pump _____ Bailer _____ b) Static water level immediately before testing <u>45</u> ft. If flowing; closed-in pressure _____ psi. _____ gpm.																																																																														