



MAP FOR
John & Beverly
Karovento
Household is circled
West of the structures
are barns & shop
well is due West of
house ~ 1000 ft
marked with 'X'

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Mr Dennis Fish</u> Address <u>Rt 1 Box 9 Harrison Id</u> Owner's Permit No. <u>94-91-N-31</u>	7. WATER LEVEL Static water level <u>46</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____ <i>Describe artesian or temperature zones below.</i>																																										
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td><u>20</u></td> <td></td> <td><u>1 1/2</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>20</u>		<u>1 1/2</u>																																				
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Bore Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th rowspan="2">Water Yes No</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>10</u></td> <td><u>0</u></td> <td><u>7</u></td> <td><u>Broken Basalt - clay</u></td> <td><u>X</u></td> </tr> <tr> <td><u>4 1/2</u></td> <td><u>7</u></td> <td><u>43</u></td> <td><u>Basalt - blk - mgn</u></td> <td><u>X</u></td> </tr> <tr> <td><u>1 1/2</u></td> <td><u>43</u></td> <td><u>20</u></td> <td><u>Broken Basalt clay - tan</u></td> <td><u>X</u></td> </tr> <tr> <td></td> <td><u>20</u></td> <td><u>22</u></td> <td><u>Basalt blk - mgn</u></td> <td><u>X</u></td> </tr> <tr> <td></td> <td><u>22</u></td> <td><u>91</u></td> <td><u>Basalt - clay - tan & blue</u></td> <td><u>X</u></td> </tr> <tr> <td></td> <td><u>91</u></td> <td><u>110</u></td> <td><u>Basalt - clay - tan & blue</u></td> <td><u>X</u></td> </tr> <tr> <td></td> <td><u>110</u></td> <td><u>125</u></td> <td><u>Basalt - blk - mgn</u></td> <td><u>X</u></td> </tr> </tbody> </table>	Bore Diam.	Depth		Material	Water Yes No	From	To	<u>10</u>	<u>0</u>	<u>7</u>	<u>Broken Basalt - clay</u>	<u>X</u>	<u>4 1/2</u>	<u>7</u>	<u>43</u>	<u>Basalt - blk - mgn</u>	<u>X</u>	<u>1 1/2</u>	<u>43</u>	<u>20</u>	<u>Broken Basalt clay - tan</u>	<u>X</u>		<u>20</u>	<u>22</u>	<u>Basalt blk - mgn</u>	<u>X</u>		<u>22</u>	<u>91</u>	<u>Basalt - clay - tan & blue</u>	<u>X</u>		<u>91</u>	<u>110</u>	<u>Basalt - clay - tan & blue</u>	<u>X</u>		<u>110</u>	<u>125</u>	<u>Basalt - blk - mgn</u>	<u>X</u>
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4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>250</u> inches</td> <td><u>8</u> inches</td> <td><u>1</u> feet</td> <td><u>19</u> feet</td> </tr> <tr> <td><u>PVC</u> inches</td> <td><u>4</u> inches</td> <td><u>-42</u> feet</td> <td><u>123</u> feet</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> Was casing drive shoe used? ☐ Yes ☒ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No <u>600</u> How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun Size of perforation <u>5</u> inches by <u>8</u> inches <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>90</u> perforations</td> <td><u>83</u> feet</td> <td><u>123</u> feet</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☒ Yes ☐ No ☐ Size of gravel <u>3/8</u> Placed from <u>25</u> feet to <u>123</u> feet Surface seal depth <u>19</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____	Thickness	Diameter	From	To	<u>250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>19</u> feet	<u>PVC</u> inches	<u>4</u> inches	<u>-42</u> feet	<u>123</u> feet													Number	From	To	<u>90</u> perforations	<u>83</u> feet	<u>123</u> feet												
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6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Keokuk</u> <u>NW 1/4 NW 1/4 Sec. 11 T. 47 S. R. 3 W. 3</u>	10. Work started <u>9-12-91</u> finished <u>9-13-91</u> 11. DRILLERS CERTIFICATION <u>20</u> I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Hoxwell Inc</u> Firm No. <u>448</u> Address <u>Hayden Id</u> Date <u>9-13-91</u> Signed by (Firm Official) <u>[Signature]</u> and (Operator) <u>[Signature]</u>																																										

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT