

Shawver Well Company, Inc.2700 Stanley Avenue
Fredericksburg, IA 50630

76194

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Location of Well Well #3 13619 King Road Laporte City, IA 50651 T87N R11W County Black Hawk Township Big Creek `E` Section 29 Quarters NE Customer Information <u>McFarlane Park</u> 13619 King Road Laporte City, IA 50651 Job Information Area FB T87N R11W Latitude Longitude PWTS # Permit Number 2013-0370W Confirmation Start Date 7/10/2013 End Date 7/17/2013 Warranty Date Warranty	Well Site Information Actual Size 6 5/8" Depth 376' Elevation SWL 5' 150' RPS @ 25 GPM Max GPM 45 GPM Pump Inst -- Liner--ft Sulfide -- Screen-- Made Water 28', 56', 70', 170', 231' Screen Size Air Lift 1156 @ 20 GPM; 155' @ 25 GPM Exploratory -- To Ft -- Slot Size Mock Rock Acidize Riser Pipe Well Use Set From Perforated From Tail Pipe Driller Gary Martin; Cert #: 3845 Remarks:																																															
Well Formation Log <table border="1"> <thead> <tr> <th>From-To</th> <th>Color</th> <th>Formation</th> </tr> </thead> <tbody> <tr> <td>0 - 8</td> <td></td> <td>Fill</td> </tr> <tr> <td>8 - 24</td> <td></td> <td>Sand</td> </tr> <tr> <td>24 - 29</td> <td>Brown</td> <td>Shale - Clay</td> </tr> <tr> <td>29 - 125</td> <td>Brown</td> <td>Limestone</td> </tr> <tr> <td>125 - 170</td> <td>Brown - Gray</td> <td>Limestone</td> </tr> <tr> <td>170 - 180</td> <td>Brown</td> <td>Porous Limestone</td> </tr> <tr> <td>180 - 231</td> <td>Brown - Gray</td> <td>Limestone</td> </tr> <tr> <td>231 - 376</td> <td>Lt. Brown</td> <td>Limestone</td> </tr> </tbody> </table>	From-To	Color	Formation	0 - 8		Fill	8 - 24		Sand	24 - 29	Brown	Shale - Clay	29 - 125	Brown	Limestone	125 - 170	Brown - Gray	Limestone	170 - 180	Brown	Porous Limestone	180 - 231	Brown - Gray	Limestone	231 - 376	Lt. Brown	Limestone	Bore Log <table border="1"> <thead> <tr> <th>From-To</th> <th>Bit Size - Number</th> </tr> </thead> <tbody> <tr> <td>0 - 32</td> <td>12 1/4"</td> </tr> <tr> <td>32 - 125</td> <td>9 7/8"</td> </tr> <tr> <td>125 - 376</td> <td>6 1/4"</td> </tr> </tbody> </table> Well Casing Log <table border="1"> <thead> <tr> <th>From-To</th> <th>Casing</th> </tr> </thead> <tbody> <tr> <td>0 - 125</td> <td>6 5/8" x Steel</td> </tr> <tr> <td>3 - 0</td> <td>6 5/8" x Steel</td> </tr> </tbody> </table> Screen Size Slot Size Riser Pipe Set From Tail Pipe Well Grout Used <table border="1"> <thead> <tr> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>100 sacks</td> <td>Neat Cement</td> </tr> <tr> <td>12 sacks</td> <td>EZ Seal</td> </tr> </tbody> </table>	From-To	Bit Size - Number	0 - 32	12 1/4"	32 - 125	9 7/8"	125 - 376	6 1/4"	From-To	Casing	0 - 125	6 5/8" x Steel	3 - 0	6 5/8" x Steel	Amount	Type	100 sacks	Neat Cement	12 sacks	EZ Seal
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