

Shawver Well Company, Inc.

2700 Stanley Avenue
Fredericksburg, IA 50630

079210

(563) 237-5341
(800) 568-4449

<p>Location of Well</p> <p>Lidtko County Park Lime Springs, IA 52155</p> <p style="text-align: right;">County Howard Township Forest City Section 21 Quarters SWNW</p> <p>Customer Information</p> <p><u>Harold Chapman</u> HOWARD COUNTY CONSERVATION 11562 Valley Avenue Cresco, IA 52136</p> <p>Job Information</p> <p style="text-align: center;">Area FB</p> <p>Latitude 43.46593 Longitude -92.27718 PWTS # Permit Number</p> <p style="text-align: center;">Confirmation Start Date 10/20/2014 End Date 10/27/2014</p> <p style="text-align: center;">Warranty Date Warranty</p>	<p>Well Site Information</p> <p>Actual Size 7" Depth 365' Elevation SWL Flowing @ 3 GPM RPS 220' @ 10 GPM Max GPM 15 GPM</p> <p>Air Lift 220' @ 10 GPM</p> <p>Exploratory -- To Ft Mock Rock -- Acidize -- Well Use</p> <p style="text-align: right;">Pump Inst -- Liner--ft Sulfide --Screen--</p> <p style="text-align: right;">Made Water 280' Screen Size</p> <p style="text-align: right;">Slot Size Riser Pipe Set From Perforated From Tail Pipe</p> <p style="text-align: right;">Driller Gary Martin; Cert #: 3845</p> <p>Remarks:</p>																																																		
<p>Well Formation Log</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">From-To</th> <th style="text-align: left;">Color</th> <th style="text-align: left;">Formation</th> </tr> </thead> <tbody> <tr><td>0 - 20</td><td></td><td>Sand - Medium</td></tr> <tr><td>20 - 23</td><td>Brown</td><td>Limestone - Soft</td></tr> <tr><td>23 - 86</td><td>Brown</td><td>Limestone</td></tr> <tr><td>86 - 106</td><td>Blue</td><td>Shale - Hard</td></tr> <tr><td>106 - 170</td><td>Dark Brown</td><td>Limestone</td></tr> <tr><td>170 - 290</td><td>Lt. Brown</td><td>Limestone</td></tr> <tr><td>290 - 336</td><td>Gray</td><td>Limestone</td></tr> <tr><td>336 - 356</td><td>Gray</td><td>Limestone & Shale</td></tr> <tr><td>356 - 365</td><td>Blue</td><td>Shale & Limestone</td></tr> </tbody> </table>	From-To	Color	Formation	0 - 20		Sand - Medium	20 - 23	Brown	Limestone - Soft	23 - 86	Brown	Limestone	86 - 106	Blue	Shale - Hard	106 - 170	Dark Brown	Limestone	170 - 290	Lt. Brown	Limestone	290 - 336	Gray	Limestone	336 - 356	Gray	Limestone & Shale	356 - 365	Blue	Shale & Limestone	<p>Bore Log</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">From-To</th> <th style="text-align: left;">Bit Size - Number</th> </tr> </thead> <tbody> <tr><td>0 - 8</td><td>12 1/4"</td></tr> <tr><td>8 - 221</td><td>9 7/8"</td></tr> <tr><td>221 - 365</td><td>6 1/4"</td></tr> </tbody> </table> <p>Well Casing Log</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">From-To</th> <th style="text-align: left;">Casing</th> </tr> </thead> <tbody> <tr><td>0 - 221</td><td>7" x .317" Steel</td></tr> <tr><td>3 - 0</td><td>7" x .317" Steel</td></tr> </tbody> </table> <p>Screen Size Slot Size Riser Pipe</p> <p style="text-align: right;">Set From Tail Pipe</p> <p>Well Grout Used</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Type</th> </tr> </thead> <tbody> <tr><td>85 sacks</td><td>Neat Cement</td></tr> <tr><td>3 sacks</td><td>EZ Seal</td></tr> </tbody> </table>	From-To	Bit Size - Number	0 - 8	12 1/4"	8 - 221	9 7/8"	221 - 365	6 1/4"	From-To	Casing	0 - 221	7" x .317" Steel	3 - 0	7" x .317" Steel	Amount	Type	85 sacks	Neat Cement	3 sacks	EZ Seal
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