

Shawver Well Company, Inc.2700 Stanley Avenue
Fredericksburg, IA 50630**079565**(563) 237-5341
(800) 568-4449

Location of Well Well #12 Spencer, IA 51301 T96N R37W County Clay Township Riverton Section 03 Quarters Customer Information <u>Spencer Municipal Utilities</u> 520 2nd Avenue E, Suite #1 Spencer, IA 51301	Well Site Information Actual Size 20" Depth 78' Elevation SWL 14.36' RPS Max GPM Pump Inst -- Liner--ft Sulfide -- Screen ☒ Air Lift Exploratory -- To Ft Mock Rock -- Acidize -- Well Use Made Water Screen Size 14" Slot Size 80 Riser Pipe Set From 53'-78' Perforated From Tail Pipe Driller Dave Halweg ; Cert #: 2814																																																									
Job Information Area FB T96N R37W Latitude Longitude PWTS # Permit Number 2171071 Confirmation Start Date 1/26/2015 End Date 2/4/2015 Warranty Date Warranty	Remarks:																																																									
Well Formation Log <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 - 2</td><td>Black</td><td>Topsoil</td></tr> <tr><td>2 - 5</td><td>Brown</td><td>Sandy - Clay</td></tr> <tr><td>5 - 11</td><td>Brown - Multi-Colored</td><td>Sand</td></tr> <tr><td>11 - 15</td><td>Brown</td><td>Sand</td></tr> <tr><td>15 - 19</td><td>Multi-Colored</td><td>Gravel</td></tr> <tr><td>19 - 22</td><td>White</td><td>Gravel</td></tr> <tr><td>22 - 42</td><td>Brown - Gray</td><td>Sandy - Clay</td></tr> <tr><td>42 - 52</td><td>Brown - Gray</td><td>Gravel - Sand - Clay</td></tr> <tr><td>52 - 59</td><td>Multi-Colored</td><td>Sand - Medium</td></tr> <tr><td>52 - 59</td><td>Multi-Colored</td><td>Sand - Medium</td></tr> <tr><td>59 - 75</td><td>Multi-Colored</td><td>Sand - Coarse</td></tr> <tr><td>75 - 78</td><td>Multi-Colored</td><td>Gravel</td></tr> </tbody> </table>	From-To	Color	Formation	0 - 2	Black	Topsoil	2 - 5	Brown	Sandy - Clay	5 - 11	Brown - Multi-Colored	Sand	11 - 15	Brown	Sand	15 - 19	Multi-Colored	Gravel	19 - 22	White	Gravel	22 - 42	Brown - Gray	Sandy - Clay	42 - 52	Brown - Gray	Gravel - Sand - Clay	52 - 59	Multi-Colored	Sand - Medium	52 - 59	Multi-Colored	Sand - Medium	59 - 75	Multi-Colored	Sand - Coarse	75 - 78	Multi-Colored	Gravel	Bore Log <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 - 19</td><td>26"</td></tr> <tr><td>19 - 78</td><td>23"</td></tr> </tbody> </table> Well Casing Log <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 - 59</td><td>20" x Steel</td></tr> </tbody> </table> Screen Size 14" Slot Size 80 Riser Pipe Set From 53' - 78' Tail Pipe Well Grout Used <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>55 sacks</td><td>Neat Cement</td></tr> <tr><td>3 sacks</td><td>Holeplug</td></tr> <tr><td>6 sacks</td><td>EZ Seal</td></tr> </tbody> </table>	From-To	Bit Size - Number	0 - 19	26"	19 - 78	23"	From-To	Casing	0 - 59	20" x Steel	Amount	Type	55 sacks	Neat Cement	3 sacks	Holeplug	6 sacks	EZ Seal
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