

<p>Location of Well</p> <p>21731 TOLLGATE ROAD HOLY CROSS, IA 52053 T90N R1W</p> <p style="text-align: right;">County Dubuque Township Concord Section 17 Quarters SENWSENW</p> <p>Customer Information</p> <p>LYNN HOEGER 21731 TOLLGATE ROAD HOLY CROSS, IA 52053</p> <p style="text-align: right;">Contact Date 9/18/2006 Confirmation Date 9/25/2006</p> <p>Contact Information</p> <p>Home Ph: 563-870-3675 Work Ph: Cell Ph: 563-599-8019 Fax:</p> <p style="text-align: right;">Best time to call: Email: Customer since: 9/18/2006 Referred By: Have</p> <p>Job Information</p> <p style="text-align: center;">Area DV T90N R1W</p> <p>Latitude 42.6122 Longitude 90.9899 PWTS # 2122532 Permit Number 24084</p> <p style="text-align: right;">Confirmation 9/25/2006 Start Date 10/6/2006 End Date 10/13/2006</p> <p style="text-align: right;">Warranty Date Warranty</p>	<p>Well Site Information</p> <p>Actual Size 7" Depth 610' Elevation 1177' SWL 451' RPS 530' @ 15 GPM Max GPM 25 GPM</p> <p style="text-align: right;">Pump Inst -- Liner--ft Sulfide <input checked="" type="checkbox"/> Screen--</p> <p style="text-align: right;">Air Lift 610' @ 25 GPM, 530' @ 15 GPM</p> <p>Exploratory <input checked="" type="checkbox"/> To 138Ft Mock Rock -- Acidize -- Well Use</p> <p style="text-align: right;">Made Water 471', 475', 540', 556' Screen Size</p> <p style="text-align: right;">Slot Size Riser Pipe Set From Perforated From Tail Pipe</p> <p style="text-align: center;">Rig 30K-1 Driller Matt Mineart; Cert #: 7920 Driller 2 Luke Klahsen, Dave Halweg Jr.</p> <p>Description: A 12 1/4" hole was drilled to 8' and 10" temporary casing was installed. A 10" hole was drilled to 431'. The well was then cased with 431' of 7" steel casing. Neat Cement/High Early Cement grout was pumped into the annular space. The temporary casing was removed. A 6 3/8" hole was drilled to 610' and the well was airlifted. The static water level is 451' and the recommended pump setting is 530' at 15 gallons per minute.</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 - 2</td><td>Black</td><td>Topsoil</td></tr> <tr><td>2 - 5</td><td>Brown</td><td>Clay</td></tr> <tr><td>5 - 7</td><td>White</td><td>Clay & Lime</td></tr> <tr><td>7 - 51</td><td>Yellow</td><td>Limerock, Soft</td></tr> <tr><td>51 - 99</td><td>Yellow</td><td>Limerock</td></tr> <tr><td>99 - 128</td><td>Buff</td><td>Limerock</td></tr> <tr><td>128 - 141</td><td>Blue</td><td>Shale</td></tr> <tr><td>141 - 180</td><td>Green</td><td>Shale</td></tr> <tr><td>180 - 326</td><td>Gray</td><td>Shale</td></tr> <tr><td>326 - 368</td><td>Brown</td><td>Shale</td></tr> <tr><td>368 - 599</td><td>Buff</td><td>Limerock</td></tr> <tr><td>599 - 610</td><td>Gray</td><td>Limerock</td></tr> </tbody> </table>	From-To	Color	Formation	0 - 2	Black	Topsoil	2 - 5	Brown	Clay	5 - 7	White	Clay & Lime	7 - 51	Yellow	Limerock, Soft	51 - 99	Yellow	Limerock	99 - 128	Buff	Limerock	128 - 141	Blue	Shale	141 - 180	Green	Shale	180 - 326	Gray	Shale	326 - 368	Brown	Shale	368 - 599	Buff	Limerock	599 - 610	Gray	Limerock	<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> <th></th> </tr> </thead> <tbody> <tr><td>0 - 8</td><td>6"</td><td>6121D</td></tr> <tr><td>0 - 8</td><td>12 1/4"</td><td>M9131</td></tr> <tr><td>8 - 138</td><td>6 3/8" Hammer Bit</td><td>8K180</td></tr> <tr><td>8 - 431</td><td>9 7/8"</td><td>ETD 34</td></tr> <tr><td>431 - 610</td><td>6 3/8" Hammer Bit</td><td>8K180</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>+ 1 - 0</td><td>7" x .272" Steel</td></tr> <tr><td>0 - 431</td><td>7" x .272" Steel</td></tr> </tbody> </table> <p style="text-align: right;">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>120 sacks</td><td>Neat Cement</td></tr> <tr><td>6 sacks</td><td>High Early</td></tr> <tr><td>3 sacks</td><td>Casing Seal</td></tr> <tr><td>6 sacks</td><td>EZ Seal</td></tr> </tbody> </table>	From-To	Bit Size - Number		0 - 8	6"	6121D	0 - 8	12 1/4"	M9131	8 - 138	6 3/8" Hammer Bit	8K180	8 - 431	9 7/8"	ETD 34	431 - 610	6 3/8" Hammer Bit	8K180	From-To	Casing	+ 1 - 0	7" x .272" Steel	0 - 431	7" x .272" Steel	Amount	Type	120 sacks	Neat Cement	6 sacks	High Early	3 sacks	Casing Seal	6 sacks	EZ Seal
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