

8 3 7 6 8

<p><b>Location of Well</b></p> <p><b>19179 Herber Road</b>  <b>Sherrill, IA 52073</b>  <b>T90-91N R2E</b></p> <p style="text-align: right;">County <b>Dubuque</b>          Township <b>Peru</b>          Section <b>27</b>          Quarters <b>SENW</b></p> <p><b>Customer Information</b></p> <p><u><b>JOHN DEERE DUBUQUE TRACTOR WORKS</b></u>  <b>PO Box 4198 Property Acct</b>  <b>Davenport, IA 52808</b></p> <p><b>Job Information</b></p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">Area <b>FB</b> <b>T90-91N R2E</b></td> <td style="width:50%;">Confirmation</td> </tr> <tr> <td>Latitude <b>42.574912</b></td> <td>Start Date <b>9/22/2016</b></td> </tr> <tr> <td>Longitude <b>-90.710111</b></td> <td>End Date <b>10/3/2016</b></td> </tr> <tr> <td>PWTS #</td> <td>Warranty Date</td> </tr> <tr> <td>Permit Number</td> <td>Warranty</td> </tr> </table>	Area <b>FB</b> <b>T90-91N R2E</b>	Confirmation	Latitude <b>42.574912</b>	Start Date <b>9/22/2016</b>	Longitude <b>-90.710111</b>	End Date <b>10/3/2016</b>	PWTS #	Warranty Date	Permit Number	Warranty	<p><b>Well Site Information</b></p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">Actual Size <b>7"</b></td> <td style="width:50%;">Pump Inst -- Liner--ft</td> </tr> <tr> <td>Depth <b>456'</b></td> <td>Sulfide -- Screen--</td> </tr> <tr> <td>Elevation</td> <td></td> </tr> <tr> <td>SWL <b>230'</b></td> <td></td> </tr> <tr> <td><b>308'</b></td> <td></td> </tr> <tr> <td>RPS @ <b>20</b></td> <td></td> </tr> <tr> <td><b>GPM</b></td> <td></td> </tr> <tr> <td>Max GPM <b>408'</b></td> <td></td> </tr> <tr> <td><b>429'</b></td> <td></td> </tr> <tr> <td>Air Lift <b>308'</b></td> <td>Made Water <b>408'; 429'</b></td> </tr> <tr> <td>@ <b>20</b></td> <td>Screen Size</td> </tr> <tr> <td><b>GPM;</b></td> <td></td> </tr> <tr> <td><b>456'</b></td> <td></td> </tr> <tr> <td>@</td> <td></td> </tr> <tr> <td><b>100+</b></td> <td></td> </tr> <tr> <td><b>GPM</b></td> <td></td> </tr> <tr> <td>-- To</td> <td>Slot Size</td> </tr> <tr> <td>Exploratory Ft</td> <td>--</td> </tr> <tr> <td>Mock Rock Acidize</td> <td>Riser Pipe</td> </tr> <tr> <td>--</td> <td></td> </tr> <tr> <td>Well Use</td> <td>Set From</td> </tr> <tr> <td></td> <td>Perforated From</td> </tr> <tr> <td></td> <td>Tail Pipe</td> </tr> <tr> <td>Driller <b>Gary Martin</b>; Cert #: <b>3845</b></td> <td></td> </tr> <tr> <td>Remarks:</td> <td></td> </tr> </table>	Actual Size <b>7"</b>	Pump Inst -- Liner--ft	Depth <b>456'</b>	Sulfide -- Screen--	Elevation		SWL <b>230'</b>		<b>308'</b>		RPS @ <b>20</b>		<b>GPM</b>		Max GPM <b>408'</b>		<b>429'</b>		Air Lift <b>308'</b>	Made Water <b>408'; 429'</b>	@ <b>20</b>	Screen Size	<b>GPM;</b>		<b>456'</b>		@		<b>100+</b>		<b>GPM</b>		-- To	Slot Size	Exploratory Ft	--	Mock Rock Acidize	Riser Pipe	--		Well Use	Set From		Perforated From		Tail Pipe	Driller <b>Gary Martin</b> ; Cert #: <b>3845</b>		Remarks:	
Area <b>FB</b> <b>T90-91N R2E</b>	Confirmation																																																												
Latitude <b>42.574912</b>	Start Date <b>9/22/2016</b>																																																												
Longitude <b>-90.710111</b>	End Date <b>10/3/2016</b>																																																												
PWTS #	Warranty Date																																																												
Permit Number	Warranty																																																												
Actual Size <b>7"</b>	Pump Inst -- Liner--ft																																																												
Depth <b>456'</b>	Sulfide -- Screen--																																																												
Elevation																																																													
SWL <b>230'</b>																																																													
<b>308'</b>																																																													
RPS @ <b>20</b>																																																													
<b>GPM</b>																																																													
Max GPM <b>408'</b>																																																													
<b>429'</b>																																																													
Air Lift <b>308'</b>	Made Water <b>408'; 429'</b>																																																												
@ <b>20</b>	Screen Size																																																												
<b>GPM;</b>																																																													
<b>456'</b>																																																													
@																																																													
<b>100+</b>																																																													
<b>GPM</b>																																																													
-- To	Slot Size																																																												
Exploratory Ft	--																																																												
Mock Rock Acidize	Riser Pipe																																																												
--																																																													
Well Use	Set From																																																												
	Perforated From																																																												
	Tail Pipe																																																												
Driller <b>Gary Martin</b> ; Cert #: <b>3845</b>																																																													
Remarks:																																																													
<p><b>Well Formation Log</b></p> <table style="width:100%; border: none;"> <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 - 12</td> <td>Brown</td> <td>Clay</td> </tr> <tr> <td>12 - 125</td> <td>Brown - Gray</td> <td>Limestone</td> </tr> <tr> <td>125 - 190</td> <td>Brown</td> <td>Shale - Rock</td> </tr> <tr> <td>190 - 301</td> <td>Brown</td> <td>Limestone</td> </tr> <tr> <td>301 - 346</td> <td>White</td> <td>Sandstone</td> </tr> <tr> <td>346 - 456</td> <td>Brown</td> <td>Limestone</td> </tr> </tbody> </table>	From-To	Color	Formation	0 - 12	Brown	Clay	12 - 125	Brown - Gray	Limestone	125 - 190	Brown	Shale - Rock	190 - 301	Brown	Limestone	301 - 346	White	Sandstone	346 - 456	Brown	Limestone	<p><b>Bore Log</b></p> <table style="width:100%; border: none;"> <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 - 30</td> <td>14 3/4"</td> </tr> <tr> <td>30 - 396</td> <td>9 7/8"</td> </tr> <tr> <td>396 - 456</td> <td>6 1/4"</td> </tr> </tbody> </table> <p><b>Well Casing Log</b></p> <table style="width:100%; border: none;"> <thead> <tr> <th style="text-align: left;">From-To</th> <th style="text-align: left;">Casing</th> </tr> </thead> <tbody> <tr> <td>0 - 396</td> <td>7" x .317" Steel</td> </tr> <tr> <td>0 - 30</td> <td>10.75" OD x .365</td> </tr> <tr> <td>1 - 0</td> <td>10.75" OD x .365</td> </tr> <tr> <td>2 - 0</td> <td>7" x .317" Steel</td> </tr> </tbody> </table> <table style="width:100%; border: none; margin-top: 10px;"> <tr> <td>Screen Size</td> <td></td> </tr> <tr> <td>Slot Size</td> <td>Set From</td> </tr> <tr> <td>Riser Pipe</td> <td>Tail Pipe</td> </tr> </table> <p><b>Well Grout Used</b></p> <table style="width:100%; border: none;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Type</th> </tr> </thead> <tbody> <tr> <td>150 sacks</td> <td>Neat Cement</td> </tr> </tbody> </table>	From-To	Bit Size - Number	0 - 30	14 3/4"	30 - 396	9 7/8"	396 - 456	6 1/4"	From-To	Casing	0 - 396	7" x .317" Steel	0 - 30	10.75" OD x .365	1 - 0	10.75" OD x .365	2 - 0	7" x .317" Steel	Screen Size		Slot Size	Set From	Riser Pipe	Tail Pipe	Amount	Type	150 sacks	Neat Cement											
From-To	Color	Formation																																																											
0 - 12	Brown	Clay																																																											
12 - 125	Brown - Gray	Limestone																																																											
125 - 190	Brown	Shale - Rock																																																											
190 - 301	Brown	Limestone																																																											
301 - 346	White	Sandstone																																																											
346 - 456	Brown	Limestone																																																											
From-To	Bit Size - Number																																																												
0 - 30	14 3/4"																																																												
30 - 396	9 7/8"																																																												
396 - 456	6 1/4"																																																												
From-To	Casing																																																												
0 - 396	7" x .317" Steel																																																												
0 - 30	10.75" OD x .365																																																												
1 - 0	10.75" OD x .365																																																												
2 - 0	7" x .317" Steel																																																												
Screen Size																																																													
Slot Size	Set From																																																												
Riser Pipe	Tail Pipe																																																												
Amount	Type																																																												
150 sacks	Neat Cement																																																												

11-10-2016