

<p>Customer Information</p> <p>DAVE WALSER GRAF WATER ASSOCIATION - Dave Walser 661 GRAF COURT DURANGO, IA 52039- 9747</p> <p>Contact Date 9/30/2004 Confirmation Date 9/29/2004</p> <p>Contact Information</p> <p>Home Ph: 563.556.0217 Work Ph: Cell Ph: Fax: 563.556.0217</p> <p>Best time to call: Email: Customer since: 9/30/2004 Referred By: Reputation</p> <p>Location of Well</p> <p>640 GRAF COURT DURANGO, IA 52039- 9747 T89N R1E</p> <p>County Dubuque - Well #1 Township Center Section 29 Quarters</p> <p>Job Information</p> <p>Area DV T89N R1E Confirmation 9/29/2004 Start Date 10/5/2004 End Date 10/7/2004</p> <p>PWTS # Permit # Permit Info</p> <p>Warranty</p>	<p>Well Site Information</p> <p>Actual Size 7" Depth 251' Elevation 850' SWL 60'</p> <p>RPS 151' @ 30 GPM</p> <p>Max GPM 50+ GPM Air Lift 151' @ 30 GPM, 210' @ 50 GPM</p> <p>Exploratory <input checked="" type="checkbox"/> To 231Ft Mock Rock -- Acidize -- Well Use</p> <p>Rig 30K-2 Driller DAVE HALWEG; Cert #: 2814 Driller 2</p> <p>Description: A 12¼" hole was drilled to 20' and 10" temporary casing was installed. A 10" hole was drilled to 196½'. The well was then cased with 197½' of 7" outside diameter X .317 wall steel casing. Neat Cement, High Early and Benseal grout was pumped into the annular space. The temporary casing was removed. A 6¼" hole was drilled to 251' and the well was airlifted.</p> <p>Remarks:</p> <p>Pump Inst -- Liner--ft Sulfide -- Screen--</p> <p>Made Water 94', 135', 168', 184', 203', 230', 246'</p> <p>Screen Size Slot Size</p> <p>Riser Pipe Set From Perforated From Tail Pipe</p>																																												
<p>Well Formation Log</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From-To</th> <th>Color</th> <th>Formation</th> </tr> </thead> <tbody> <tr> <td>0 - 16</td> <td>Brown</td> <td>Clay</td> </tr> <tr> <td>16 - 47</td> <td>Brown</td> <td>Shale</td> </tr> <tr> <td>47 - 251</td> <td>Creme-brown</td> <td>Limerock, Galena</td> </tr> </tbody> </table>	From-To	Color	Formation	0 - 16	Brown	Clay	16 - 47	Brown	Shale	47 - 251	Creme-brown	Limerock, Galena	<p>Bore Log</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From-To</th> <th>Bit Size - Number</th> <th></th> </tr> </thead> <tbody> <tr> <td>0 - 20</td> <td>6 1/4"</td> <td>Roller Cone</td> </tr> <tr> <td>0 - 20</td> <td>12 1/4"</td> <td></td> </tr> <tr> <td>20 - 231</td> <td>6 1/4"</td> <td></td> </tr> <tr> <td>20 - 196.5</td> <td>9 7/8"</td> <td></td> </tr> <tr> <td>231 - 251</td> <td>6 1/4"</td> <td></td> </tr> </tbody> </table> <p>Well Casing Log</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From-To</th> <th>Casing</th> </tr> </thead> <tbody> <tr> <td>0 - 196.5</td> <td>7" x .317" Steel</td> </tr> </tbody> </table> <p>Screen Size Slot Size Riser Pipe</p> <p>Set From Tail Pipe</p> <p>Well Grout Used</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>55 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>9 sacks</td> <td>Benseal</td> </tr> </tbody> </table>	From-To	Bit Size - Number		0 - 20	6 1/4"	Roller Cone	0 - 20	12 1/4"		20 - 231	6 1/4"		20 - 196.5	9 7/8"		231 - 251	6 1/4"		From-To	Casing	0 - 196.5	7" x .317" Steel	Amount	Type	55 sacks	Neat Cement	6 sacks	High Early	3 sacks	Casing Seal	9 sacks	Benseal
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