

<p>Location of Well</p> <p>Intersection of Barrett St. & 3rd St. - County Franklin Well #3 Township Marion Coulter, IA 50431 Section 31 T92N R21W Quarters NESESW</p> <p>Customer Information</p> <p><u>CITY OF COULTER</u> 108 MAIN STREET COULTER, IA 50431</p> <p>Job Information</p> <table style="width:100%;"> <tr> <td style="width:50%;">Area T92N R21W</td> <td style="width:50%;">Confirmation</td> </tr> <tr> <td>Latitude 42.734603</td> <td>Start Date 8/15/2011</td> </tr> <tr> <td>Longitude -93.370587</td> <td>End Date 8/23/2011</td> </tr> <tr> <td>PWTS # PWSID: 3525079,</td> <td>Warranty</td> </tr> <tr> <td>Permit WLO3</td> <td>Date</td> </tr> <tr> <td>Number 2011-0290W</td> <td>Warranty</td> </tr> </table>	Area T92N R21W	Confirmation	Latitude 42.734603	Start Date 8/15/2011	Longitude -93.370587	End Date 8/23/2011	PWTS # PWSID: 3525079,	Warranty	Permit WLO3	Date	Number 2011-0290W	Warranty	<p>Well Site Information</p> <p>Actual Size 8" Pump Inst <input type="checkbox"/> Liner--ft</p> <p>Depth 700' Sulfide <input type="checkbox"/> Screen--</p> <p>Elevation SWL 162' RPS Max GPM</p> <p>Made Water 508', 514'-518', 547', 581', 624', 681'</p> <p>Air Lift Exploratory -- To Ft Mock Rock -- Acidize -- Well Use</p> <p>Screen Size Slot Size Riser Pipe Set From 399' - 486' Perforated From Tail Pipe</p> <p>Driller Dave Halweg; Cert #: 2814</p> <p>Remarks:</p>
Area T92N R21W	Confirmation												
Latitude 42.734603	Start Date 8/15/2011												
Longitude -93.370587	End Date 8/23/2011												
PWTS # PWSID: 3525079,	Warranty												
Permit WLO3	Date												
Number 2011-0290W	Warranty												

<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 - 4</td><td>Black</td><td>Tree Roots - Topsoil</td></tr> <tr><td>4 - 8</td><td></td><td>Clay - Sandy</td></tr> <tr><td>8 - 10</td><td></td><td>Sand</td></tr> <tr><td>10 - 13</td><td>Brown</td><td>Clay - Sandy</td></tr> <tr><td>13 - 24</td><td></td><td>Sand - Gravel</td></tr> <tr><td>24 - 52</td><td>Blue - Green</td><td>Gravel - clay</td></tr> <tr><td>52 - 63</td><td>Blue</td><td>Clay</td></tr> <tr><td>63 - 64</td><td></td><td>Sand - Gravel</td></tr> <tr><td>64 - 65</td><td>Blue</td><td>Clay</td></tr> <tr><td>65 - 68</td><td></td><td>Sand - Gravel</td></tr> <tr><td>68 - 84</td><td>Blue</td><td>Gravel - clay</td></tr> <tr><td>84 - 88</td><td></td><td>Sand - Gravel</td></tr> <tr><td>88 - 89</td><td>Blue</td><td>Clay</td></tr> <tr><td>89 - 92</td><td></td><td>Sand - Fine</td></tr> <tr><td>92 - 94</td><td>Blue</td><td>Clay</td></tr> <tr><td>94 - 96</td><td></td><td>Sand - Gravel</td></tr> <tr><td>96 - 97</td><td></td><td>Gravel - Limestone</td></tr> <tr><td>97 - 100</td><td>Cream - Brown</td><td>Limestone - Hard</td></tr> <tr><td>100 - 112</td><td>Cream - Brown</td><td>Limestone</td></tr> <tr><td>112 - 116</td><td>Gray</td><td>Limestone - Fractured</td></tr> <tr><td>116 - 128</td><td>Gray</td><td>Limestone</td></tr> <tr><td>128 - 130</td><td>Cream</td><td>Limestone</td></tr> <tr><td>130 - 196</td><td>Brown - Dark</td><td>Limestone</td></tr> <tr><td>196 - 206</td><td>Cream</td><td>Limestone</td></tr> <tr><td>206 - 209</td><td>Dark Gray - Brown</td><td>Limestone</td></tr> <tr><td>209 - 213</td><td>Gray</td><td>Shale - Soft</td></tr> <tr><td>213 - 221</td><td>Gray</td><td>Shale - Rock</td></tr> <tr><td>221 - 231</td><td>Dark Brown</td><td>Limestone</td></tr> <tr><td>231 - 234</td><td>Gray</td><td>Limestone</td></tr> <tr><td></td><td>Brown -</td><td></td></tr> </tbody> </table>	From-To	Color	Formation	0 - 4	Black	Tree Roots - Topsoil	4 - 8		Clay - Sandy	8 - 10		Sand	10 - 13	Brown	Clay - Sandy	13 - 24		Sand - Gravel	24 - 52	Blue - Green	Gravel - clay	52 - 63	Blue	Clay	63 - 64		Sand - Gravel	64 - 65	Blue	Clay	65 - 68		Sand - Gravel	68 - 84	Blue	Gravel - clay	84 - 88		Sand - Gravel	88 - 89	Blue	Clay	89 - 92		Sand - Fine	92 - 94	Blue	Clay	94 - 96		Sand - Gravel	96 - 97		Gravel - Limestone	97 - 100	Cream - Brown	Limestone - Hard	100 - 112	Cream - Brown	Limestone	112 - 116	Gray	Limestone - Fractured	116 - 128	Gray	Limestone	128 - 130	Cream	Limestone	130 - 196	Brown - Dark	Limestone	196 - 206	Cream	Limestone	206 - 209	Dark Gray - Brown	Limestone	209 - 213	Gray	Shale - Soft	213 - 221	Gray	Shale - Rock	221 - 231	Dark Brown	Limestone	231 - 234	Gray	Limestone		Brown -		<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 - 22</td><td>12 1/2"</td></tr> <tr><td>0 - 20</td><td>20"</td></tr> <tr><td>20 - 100</td><td>17 1/2"</td></tr> <tr><td>100 - 404</td><td>12 1/2"</td></tr> <tr><td>404 - 486</td><td>7 7/8"</td></tr> <tr><td>486 - 700</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 - 100</td><td>13 3/8" x .380 Steel</td></tr> <tr><td>0 - 404</td><td>8 5/8" OD x .322 wall, A53B, steel casing</td></tr> <tr><td>1 - 0</td><td>13 3/8" x .380 Steel</td></tr> <tr><td>2 - 0</td><td>8 5/8" OD x .322 wall, A53B, steel casing</td></tr> <tr><td>399 - 486</td><td>7" x .317" Steel</td></tr> </tbody> </table> <p>Screen Size</p> <p>Slot Size</p> <p>Riser Pipe</p> <p>Set From 399' - 486' 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>6 sacks</td><td>High Early</td></tr> <tr><td>4 sacks</td><td>EZ Seal</td></tr> <tr><td>7 sacks</td><td>Casing Seal</td></tr> <tr><td>4 sacks</td><td>Soda Ash - Pounds</td></tr> <tr><td>36 sacks</td><td>Quick Gel</td></tr> <tr><td>8 sacks</td><td>Quick Trol Gold LV</td></tr> <tr><td>300 sacks</td><td>Neat Cement</td></tr> </tbody> </table>	From-To	Bit Size - Number	0 - 22	12 1/2"	0 - 20	20"	20 - 100	17 1/2"	100 - 404	12 1/2"	404 - 486	7 7/8"	486 - 700	6 1/4"	From-To	Casing	0 - 100	13 3/8" x .380 Steel	0 - 404	8 5/8" OD x .322 wall, A53B, steel casing	1 - 0	13 3/8" x .380 Steel	2 - 0	8 5/8" OD x .322 wall, A53B, steel casing	399 - 486	7" x .317" Steel	Amount	Type	6 sacks	High Early	4 sacks	EZ Seal	7 sacks	Casing Seal	4 sacks	Soda Ash - Pounds	36 sacks	Quick Gel	8 sacks	Quick Trol Gold LV	300 sacks	Neat Cement
From-To	Color	Formation																																																																																																																																						
0 - 4	Black	Tree Roots - Topsoil																																																																																																																																						
4 - 8		Clay - Sandy																																																																																																																																						
8 - 10		Sand																																																																																																																																						
10 - 13	Brown	Clay - Sandy																																																																																																																																						
13 - 24		Sand - Gravel																																																																																																																																						
24 - 52	Blue - Green	Gravel - clay																																																																																																																																						
52 - 63	Blue	Clay																																																																																																																																						
63 - 64		Sand - Gravel																																																																																																																																						
64 - 65	Blue	Clay																																																																																																																																						
65 - 68		Sand - Gravel																																																																																																																																						
68 - 84	Blue	Gravel - clay																																																																																																																																						
84 - 88		Sand - Gravel																																																																																																																																						
88 - 89	Blue	Clay																																																																																																																																						
89 - 92		Sand - Fine																																																																																																																																						
92 - 94	Blue	Clay																																																																																																																																						
94 - 96		Sand - Gravel																																																																																																																																						
96 - 97		Gravel - Limestone																																																																																																																																						
97 - 100	Cream - Brown	Limestone - Hard																																																																																																																																						
100 - 112	Cream - Brown	Limestone																																																																																																																																						
112 - 116	Gray	Limestone - Fractured																																																																																																																																						
116 - 128	Gray	Limestone																																																																																																																																						
128 - 130	Cream	Limestone																																																																																																																																						
130 - 196	Brown - Dark	Limestone																																																																																																																																						
196 - 206	Cream	Limestone																																																																																																																																						
206 - 209	Dark Gray - Brown	Limestone																																																																																																																																						
209 - 213	Gray	Shale - Soft																																																																																																																																						
213 - 221	Gray	Shale - Rock																																																																																																																																						
221 - 231	Dark Brown	Limestone																																																																																																																																						
231 - 234	Gray	Limestone																																																																																																																																						
	Brown -																																																																																																																																							
From-To	Bit Size - Number																																																																																																																																							
0 - 22	12 1/2"																																																																																																																																							
0 - 20	20"																																																																																																																																							
20 - 100	17 1/2"																																																																																																																																							
100 - 404	12 1/2"																																																																																																																																							
404 - 486	7 7/8"																																																																																																																																							
486 - 700	6 1/4"																																																																																																																																							
From-To	Casing																																																																																																																																							
0 - 100	13 3/8" x .380 Steel																																																																																																																																							
0 - 404	8 5/8" OD x .322 wall, A53B, steel casing																																																																																																																																							
1 - 0	13 3/8" x .380 Steel																																																																																																																																							
2 - 0	8 5/8" OD x .322 wall, A53B, steel casing																																																																																																																																							
399 - 486	7" x .317" Steel																																																																																																																																							
Amount	Type																																																																																																																																							
6 sacks	High Early																																																																																																																																							
4 sacks	EZ Seal																																																																																																																																							
7 sacks	Casing Seal																																																																																																																																							
4 sacks	Soda Ash - Pounds																																																																																																																																							
36 sacks	Quick Gel																																																																																																																																							
8 sacks	Quick Trol Gold LV																																																																																																																																							
300 sacks	Neat Cement																																																																																																																																							

234 - 246	Gray	Limestone
246 - 251	Cream - Lt. Green	Limestone
251 - 256	Cream - Brown	Limestone
256 - 271	Lt. Green	Shale
271 - 314	Lt. Brown	Shale
314 - 330	Brown	Limestone
330 - 334	Green - Tan - Brown	Limestone
334 - 342	Brown - Tan	Limestone
342 - 368	Blue - Green	Shale - Soft
368 - 372	Dark Brown	Limestone
372 - 383	Blue - Green	Shale - Soft
383 - 384	Brown	Limestone & Shale
384 - 387	Lt. Brown - Gray	Limestone & Shale
387 - 391	Blue	Shale
391 - 400	Brown - Gray	Limestone & Shale
400 - 406	Brown - Gray	Limestone
406 - 440	Blue - Green	Shale - Soft
440 - 453	Gray	Shale - Rock - Soft -Streaks
453 - 460	Dark Brown - Gray	Limestone
460 - 468	Dark Brown	Limestone
468 - 495	Gray - Brown	Limestone
495 - 514	Cream - Brown	Limestone
514 - 568	Gray - Brown	Limestone
568 - 600	Brown	Limestone with Green Shale Streaks
600 - 621	Dark Brown	Limestone
621 - 629	Dark Gray	Limestone
629 - 681	Brown - Gray	Limestone
681 - 700	Cream - Brown	Limestone