

73683

Shawver Well Company, Inc.2700 Stanley Avenue
Fredericksburg, IA 50630(563) 237-5341
(800) 568-4449**Location of Well****2086 Atalissa Road -Permanent PWS Well**
Atalissa, IA 52720
T79N R3WCounty **Cedar**
Township **Iowa**
Section **13**
Quarters **SW****Customer Information****PILOT TRAVEL CENTERS, LLC**
2086 Atalissa Rd
Atalissa, IA 52720**Job Information**Area **FB** Confirmation
 T79N R3W Start Date **5/17/2011**
Latitude **N 41.64472** End Date **5/24/2011**
Longitude **W -91.15066**
PWTS # **PWSID: 1689201 -** Warranty
 WL02 Date
Permit Number **2011-0128W** Warranty**Well Site Information**Actual Size **7"** Pump Inst -- Liner--ft
Depth **400'** Sulfide -- Screen--
Elevation
SWL **35'**
 50
RPS **GPM @**
 72.553'
Max GPM **50'**

Air Lift **Test** Made Water
 Well - Screen Size
 400' @
 50
 GPM
Exploratory -- To Ft Slot Size
 --
Mock Rock Acidize Riser Pipe
 --
Well Use Set From
 Perforated From
 Tail Pipe
Driller **Dave Halweg**; Cert #: **2814**

Remarks:

Well Formation Log

From-To	Color	Formation
0 - 4	Brown	Topsoil - Clay
4 - 16	Red	Sand
16 - 18		Clay
18 - 20		Sand
20 - 23	Yellow	Clay & Limestone
23 - 24	Yellow - Gray	Limestone
24 - 26	Gray	Limestone
26 - 46	Gray	Limestone & Shale
46 - 62	Brown - Gray	Limestone
62 - 65	Brown	Shale & Limestone
65 - 74	Yellow - Creme	Limestone
74 - 76	Cream	Limestone with Shale Streaks
76 - 96	Creme - Brown - Yellow	Limestone
96 - 122	Creme - Brown - Gray	Limestone
122 - 130	Brown - Gray	Limestone
130 - 134	Cream	Limestone
134 - 140	Brown	Limestone
140 - 150	Brown	Limestone
150 - 153	Gray	Limestone
153 - 160	Brown	Limestone - Broken
160 - 167	Creme - Brown - Gray	Limestone
167 - 175	Gray	Limestone
175 - 200	Cream	Limestone
200 - 205		Limestone - Porous
205 - 208	Cream - Yellow	Limestone
208 - 216	Cream -	Limestone

Bore Log

From-To	Bit Size - Number
0 - 230	9 7/8"
230 - 400	6 1/4"

Well Casing Log

From-To	Casing
0 - 230	7" x .317" Steel
3 - 0	7" x .317" Steel

Screen Size
Slot Size Set From
Riser Pipe Tail Pipe**Well Grout Used**

Amount	Type
4 sacks	Holeplug
15 sacks	EZ Seal
166 sacks	Neat Cement

	Yellow	
216 - 230	Cream - Yellow	Limestone - Porous
230 - 298	Cream - Red	Porous Limestone
298 - 312	Gray	Rock
312 - 330	Brown - Gray	Limestone
330 - 378	Brown - Gray	Limestone
378 - 385	Brown - Green	Limestone
385 - 397	Creme - Gray - Green	Limestone
397 - 400	Blue - Green	Shale - Rock

Received 8/24/12