80486

Shawver Well Company, Inc.
2700 Stanley Avenue
Fredericksburg, IA 50630

(563) 237-5341
(800) 568-4449

Location of Well

Well #5
Calmar, IA 52132

County **Winneshiek**
Township **Calmar**
Section **26**
Quarters **NWSE**

Customer Information

CITY OF CALMAR
101 S Washington Street
Calmar, IA 52132

Job Information

Area
Latitude
Longitude
PWTS #
Permit Number **2015-0304W**

Confirmation
Start Date **6/15/2015**
End Date **7/15/2015**
Warranty Date
Warranty

Well Site Information

Actual Size **12"**
Depth **1038'**
Elevation
SWL
RPS
Max GPM **600-800 GPM**
Air Lift **300' @ 300 GPM; 988' @ 600 GPM**
Exploratory -- To Ft --
Mock Rock Acidize --
Well Use
Driller **Dave Halweg**; Cert #: **2184**

Pump Inst -
Sulfide -
Made Water **89' - 25 GPM; 134' - 20 GPM; 478' - 25 GPM; 602' to 634' - 150 GPM; 747' - 100 GPM, 843' - 100 GPM**

Liner--ft
Screen--
Screen Size
Slot Size
Riser Pipe
Set From
Perforated From
Tail Pipe

Remarks:

Well Formation Log

From-To	Color	Formation
0 - 1		Topsoil
1 - 12	Tan - Brown	Clay - Soft
12 - 17	Blue	Clay - Soft
17 - 54	Blue	Clay
54 - 56		Gravel
56 - 63	Cream	Limestone with White Shale
63 - 64	Brown	Limestone
64 - 68		Broken Limestone & Shale
68 - 69	Tan	Clay - Shale
69 - 74	Brown	Shale & Limestone
74 - 102	Brown	Limestone
102 - 118	Blue - Green	Shale
118 - 123	Gray	Shale - Rock
123 - 129	Gray - Brown	Shale - Rock
129 - 153	Gray	Shale - Rock
153 - 201	Gray - Blue	Shale
201 - 247	Brown	Shale - Rock
247 - 251	Blue - Brown	Shale
251 - 292	Brown	Shale - Rock
292 - 512	Light Brown	Limestone - Galena
512 - 531	Blue - Green	Shale - Rock

Bore Log

From-To	Bit Size - Number
0 - 21	26"
21 - 78	22"
78 - 708	17 1/2"
708 - 1038	11 7/8"

Well Casing Log

From-To	Casing
0 - 78	18.625 x .435
0 - 708	12" ID x .375 Wall, A53B, Steel Casing
2 - 0	18.625 x .435
2 - 0	12" ID x .375 Wall, A53B, Steel Casing

Screen Size
Slot Size
Riser Pipe
Set From
Tail Pipe

Well Grout Used

Amount	Type
750 sacks	Neat Cement
4 sacks	Holeplug
7 sacks	EZ Seal
3 sacks	Casing Seal
350 sacks	Soda Ash - Pounds
3 sacks	High Early
110 sacks	Quick Gel
8 sacks	Quick Trol Gold LV

531 - 546	Blue - Green	Shale - Soft
546 - 600	Blue - Green - Brown	Shale - Rock
600 - 602	Blue	Shale - Soft
602 - 654	White	Sandstone - St. Pete
654 - 657		Shale & Limestone
657 - 708	Lt. Brown - Tan	Limestone - Prairie Du Chien
708 - 728	Brown	Limestone
728 - 810	Brown - Gray	Limestone with Sandstone Streaks
810 - 843	Lt. Gray	Limestone
843 - 845		Sandstone
845 - 874	Brown - Gray	Limestone with Sandstone Streaks
874 - 986	Tan - Brown	Limestone
986 - 1013		Limestone & Sandstone Mix
1013 - 1020	White	Sandstone
1020 - 1038		Sandstone - Loosely Cemented