Shawver Well Company, Inc.

2700 Stanley Avenue
Fredericksburg, IA 50630

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

93397

Location of Well

Well #4 PWS
1 Street SW & 4th Ave SW
Clarion, IA 50525
Latitude **42.72860**
Longitude **93.73440**

County **Wright**
Township **Grant**
Section **31**
Quarters **SENW**
T&R **T92N R24W**
Elevation

Customer Information

Clarion, City of
121 1st Street SW
Clarion, IA 50525
Home Phone: **515-532-2847**
Work Phone:
Cell Phone:
Fax:

Email
Best time to Call

Job Information

Job Use
PWS #
Permit # **IA9909031**
Actual Hours

Confirmation Date
Start Date **10/29/2019**
End Date **12/03/2019**
Warranty Date
Warranty #

Well Details

Actual Size	**14"**	Pump Inst	--
Depth	**360'**	Liner	**-- ft**
SWL	**26'**	Screen	--
RPS	**204' @ 1500 GPM**	Exploratory To	**-- ft**
Air Lift	**204' @ 1500 GPM; 310' @ 2500+ GPM**	Acidize	**-- gal**
MAX GPM	**2500+**	Water Tests	
		Iron	
		Nitrate	
		Sulfide	--
		Made Water	**246'**
Rig	**007 ('07 50K)**		
Driller	**Dave Halweg Sr**		
Driller Cert #	**2814**		
Assistant	**Aaron Anderson, Rob Brant, Dalton Bunn**		

Notes

State Remarks **A 23" hole was drilled to 52' and 53' of 20" was furnished, installed, and removed after the 14" casing was set. A 17.5" hole was drilled to a depth of 207' and 210' of an 14" A53B steel casing was furnished and installed. A 13" hole was drilled to the final well depth of 360'. The well was then air developed for a total of 200 GPM at total well depth. 3400 gallons of muriatic acid was pumped and surged for 8 hours. The well was then airlifted until clear. The well was then air developed for a total of 2500+ GPM at total well depth with a final static water level of 26'.**

Formation Log

From-To	Color	Formation
0 - 3		Topsoil
3 - 5	Blue - Green	Sandy - Clay
5 - 15	Tan	Sandy - Clay
15 - 25	Blue - Gray	Gravel - clay
25 - 46	Blue	Sandy - Clay
46 - 85		Gravel - clay
85 - 121		Sand - Gravel
121 - 170	Blue	Gravel - clay
170 - 174	Yellow	Limestone & Blue Shale
174 - 195	White	Shale & Limestone
195 - 201	Light Brown	Limestone
201 - 210	Light Brown	Limestone
210 - 238	Tan	Limestone
238 - 280	Gray - Brown	Limestone
280 - 300	Tan	Limestone
300 - 315	Dark Gray	Limestone & Black Streaks
315 - 322	Dark Gray	Limestone
322 - 346	Brown - Tan	Limestone
346 - 355	Gray	Limestone
355 - 360	Blue - Gray	Shale & Limestone

Bore Hole

From-To	Bit Size
0 - 21	26"
21 - 52	23"
52 - 207	17 1/2"
207 - 360	13"

Casing or Loops

From-To	Casing
+1 - 52	20" OD x .375 Steel
+3 - 207	14" OD x .375 Steel PRIME

Screen Details	Liner Details
Screen Size	Liner Size
Slot Size	Set From
Set From	Perforated From
Riser Pipe	
Tail Pipe	

Grout Consumed

Amount	Unit	Type
6	Sk	EZ Seal
2	Sk	Holeplug
253	Sk	Neat Cement

Product Used

Amount	Unit	Type
10	Lbs	Penetrol Dry
19	Sk	Quik-Trol Gold LV
103	Sk	Quik Gel
12	Sk	Polarset

	9	Sk	Soda Ash
	9	Sk	Soda Ash
	9	Sk	Casing Seal

City of Clarion | Well #4

42.72860, -93.73440 | 986' Elevation

Clarion, Iowa

Started: 10/29/2019 - Completed: 12/03/2019

Log of Well

0	to	3	Topsoil
3	to	5	Blue Green Sandy Clay
5	to	15	Tan Sandy Clay
15	to	25	Blue Gray Clay with Gravel
25	to	46	Very Sandy Blue Clay
46	to	85	Gravel and Blue Clay
85	to	121	Sand and Gravel
121	to	170	Gravel and Blue Clay
170	to	174	Yellow Limestone and Blue Shale
174	to	195	White Shale with some Limestone
195	to	201	Limestone with some White Shale
201	to	210	Light Brown Limestone
210	to	238	Tan Limestone
238	to	280	Gray and Brown Limestone
280	to	300	Tan Limestone
300	to	315	Dark Gray Limestone with Black Streaks
315	to	322	Dark Gray Limestone
322	to	346	Brown and Tan Limestone
346	to	355	Gray Limestone
355	to	360	Blue Gray Shale some Soft

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Construction Record

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