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

91679
(563) 237-5341
(800) 568-4449

Location of Well

		County	**Humboldt**
Off SE 4th Street		Township	**Weaver**
Gilmore City, IA 50541		Section	**06**
Latitude		Quarters	**NWNENW**
Longitude		T&R	
		Elevation	

Customer Information

Gilmore City
304 S Gilmore Street
Gilmore City, IA 50541

Home Phone:		Email	
Work Phone:	**515-373-6326**	Best time to Call	
Cell Phone:			
Fax:			

Job Information

Job Use	**Municipal**	Confirmation Date	
PWIS #	**PWSID IA7607088**	Start Date	**06/19/2019**
Permit #	**2018-0367W**	End Date	**07/11/2019**
Actual Hours		Warranty Date	
		Warranty #	

Well Details

Actual Size	**14"**	Pump Inst	--
Depth	**207'**	Liner	-- **ft**
SWL	**46'**	Screen	--
RPS		Exploratory To	✔ **257 ft**
Air Lift	**8**	Acidize	-- **gal**
MAX GPM	**1500+ GPM**	Water Tests	
		Iron	
		Nitrate	
		Sulfide	--
		Made Water	
Rig	**007 ('07 50K)**		
Driller	**Dave Halweg**		
Driller Cert #	**2814**		
Assistant	**Aaron Anderson, Joe Lloyd**		

Notes: **A 23" hole was drilled to 19' and 20' of 18" was furnished, installed, and removed after the 14" casing was set. A 9.875" hole was drilled to a depth of 84' and 86' of an 7" steel casing was furnished and installed and removed upon completion of test hole. A 6.25" test hole was drilled to 257'. A 17.5" hole was reamed to 84' and 85' of 14" OD A53B steel casing was furnish and installed. A 13" hole was drilled to the final well depth of 207'. The well was then air developed for a total of 1500+ GPM at total well depth. The static water level upon completion was 45.99'.**

State Remarks

Formation Log

From-To	Color	Formation
0 - 2		Topsoil
2 - 6	Tan	Clay
6 - 12		Sand
12 - 22	Tan	Clay
22 - 39	Blue	Sandy - Clay
39 - 41	Brown - Orange	Clay
41 - 51	Light Brown	Limestone
51 - 54	Tan	Shale & Limestone
54 - 77	Cream	Limestone
77 - 84		Lost Circulation
84 - 110	Cream - Lt. Brown	Limestone
110 - 112	Orange	Limestone
112 - 132	Light Brown	Limestone
132 - 148	Brown - Gray	Limestone
148 - 151	Creme - Brown - Gray	Limestone
151 - 158	Gray	Limestone
158 - 177	Brown - Multi-Colored	Limestone
177 - 184	Brown - Yellow - Gray	Limestone
184 - 197	Brown - Yellow	Limestone
197 - 207	Brown - Gray	Limestone

Bore Hole

From-To	Bit Size
0 - 19	23"
19 - 84	17 1/2"
84 - 207	13"

Casing or Loops

From-To	Casing
+1 - 84	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
26	Sk	EZ Seal
5	Sk	High Early
6	Sk	Holeplug
115	Sk	Neat Cement

Product Used

Amount	Unit	Type
69	Sk	Quik Gel
10	Sk	Penetrol Dry
9	Sk	Casing Seal
4	Sk	Soda Ash

	14	Sk	Quik-Trol Gold 12V
	1	Sk	Polarset

FORMATIONS ENCOUNTERED

Depth	to	Depth	Description
0	to	2	Topsoil
2	to	6	Tan Clay
6	to	12	Sand
12	to	22	Tan Clay
22	to	39	Sandy Blue Clay
39	to	41	Brown Orange Limestone
41	to	51	Light Brown Limestone
51	to	54	Tan Shale and Limestone
54	to	77	Crème Limestone
77	to	84	Lost Circulation
84	to	110	Crème and Light Brown Limestone
110	to	112	Orange Limestone
112	to	132	Light Brown Limestone
132	to	148	Brown Gray Limestone

Depth	to	Depth	Description
148	to	151	Crème, Light Brown, and Gray Limestone
151	to	158	Gray Limestone
158	to	177	Gray, Brown, Yellow, Multicolored Limestone
177	to	184	Brown, Yellow, and Gray Limestone
184	to	197	Brown and Yellow Limestone
197	to	209	Brown and Gray Limestone
209	to	209	Soft Spot
209	to	223	Brown and Gray Limestone
223	to	243	Light Blue Shale and Sandstone
243	to	257	Blue Shale and Brown Limestone Mix
	to		
	to		
	to		
	to		

Formation log from test hole

91679