

Shawver Well Company, Inc.

2700 Stanley Avenue
Fredericksburg, IA 50630

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

Location of Well			Well Details			
Well #11	County	Linn	Actual Size	12"	Pump Inst	--
East of Bluegrass Avenue	Township	Marion `W`	Depth	496'	Liner	-- ft
Marion, IA 52302	Section	34	SWL	73'	Screen	--
Latitude	Quarters	NW	RPS	185' @ 600 GPM	Exploratory To	-- ft
Longitude	T&R		Air Lift	185' @ 600 GPM; 496' @ 1500 GPM	Acidize	✓ 3300 gal
			MAX GPM	1500-2000 GPM	Water Tests	
					Iron	1
					Nitrate	3
					Sulfide	--
					Made Water	184' @ 40 GPM; 364' @ 200 GPM; 378' @ 1000 GPM
			Rg	007 ('07 50K)		
			Driller	Dave Halweg Sr		
			Driller Cert #	2814		
			Assistant	Rob Brant, Gaven Brant, Jacob Diekhuis		
			Notes	A 23" hole was drilled to 124' and 126' of 18" was furnished, installed, and removed after the 12" casing was set. A 17" hole was drilled to a depth of 210' and 213' of a 12" x .365" wall steel A53B grade casing was furnished, installed, and grouted using 260 sacks of neat cement grout. A 11.875" hole was drilled to the final well depth of 496'. 3300 gallons of muriatic acid was pumped and surged. The well was then airlifted until clear, upon airlifting there was 1500 GPM at the total well depth. The well was airlifted until clear, upon airlifting there was 1500 GPM. The static water level upon completion was 73'.		
			State Remarks			
Job Information						
Job Use	Municipal	Confirmation Date	02/20/2024			
PWTS #	PWSID #	Start Date	01/23/2024			
Permit #	IA5751035	End Date	02/15/2024			
Actual Hours	W2023-0061	Warranty Date				
		Warranty #				
Formation Log			Bore Hole			
From-To	Color	Formation	From-To	Bit Size		
0 - 2		Topsoil	0 - 124	23"		
2 - 26	Yellow	Sandy - Clay	124 - 210	17"		
26 - 38	Blue	Gravel - clay	210 - 496	11 7/8"		
38 - 46		Medium Sand				
46 - 106	Blue	Gravel - clay				
106 - 117		Sand				
117 - 126		Soft - Limerock				
126 - 140	Cream	Limestone				
140 - 145	Cream	Limestone & Shale				
145 - 210	Cream	Limestone				
210 - 261	Crene	Limestone				
261 - 398	Yellow - Brown	Limestone				
398 - 415	Gray	Limestone				
415 - 468	Light Brown	Limestone & Chert				
468 - 489	Gray	Limestone				
489 - 496	Blue - Green	Shale				
			Casing or Loops			
			From-To	Casing		
			+2 - 124	18" OD x .375 Steel		
			+3 - 210	12 3/4" OD x .375 Steel		
			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	
			2	Sk	Holeplug	
			260	Sk	Neat Cement	
			Product Used			
			Amount	Unit	Type	
			8	Sk	Quik-Trol Gold LV	

6	Sk	Soda Ash
53	Sk	Quik Gel
12	Sk	Casing Seal