

Shawver Well Company, Inc.2700 Stanley Avenue
Fredericksburg, IA 50630**74884**(563) 237-5341
(800) 568-4449**Location of Well****Farnhamville, IA 50538****T86N R31W**County **Calhoun**
Township **Farnhamville**
Section **12**
Quarters **NWNE****Customer Information****CITY OF FARNHAMVILLE****Farnhamville, IA 50538****Job Information**

Area FB	Confirmation
T86N R31W	Start Date 3/24/2012
Latitude	End Date 4/23/2012
Longitude	Warranty Date
PWTS #	Warranty
Permit Number	

Well Site Information

Actual Size 14"	Pump Inst --	Liner ✓ 171ft
Depth 858'	Sulfide --	Screen--
Elevation		
SWL 119.9'		
RPS 462' @ 100		
Max GPM 200		
		390'-396', 489',
	Made Water	530'-550', 650',
		776', 853'
Air Lift 845' @ 190	Screen Size	
GPM; 470'		
@ 136 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:**The well had a static water level of 119.90' upon completion. The well had a final pumping water level of 203.48' @ 100 GPM.****Well Formation Log**

From-To	Color	Formation
0 - 14	Brown - Tan	Clay
14 - 30	Blue	Clay
30 - 42		Gravel Chunks and Blue Clay
42 - 46		Gravel
46 - 84	Blue	Clay
84 - 88		Gravel
88 - 110	Blue	Clay with Green Clay Seams
110 - 124	Blue	Clay & Gravel
124 - 128		Gravel
128 - 148	Blue - Green	Clay
148 - 155	Brown	Sand
155 - 156	Brown	Sand - Clay
156 - 165	Lt. Gray - White	Shale
165 - 224	Black - Gray	Shale
224 - 242	Gray	Shale
242 - 254	Brown - Gray	Shale
254 - 268	Black - Tan	Shale
268 - 279	Brown - Black	Shale - Rock
279 - 282	White	Limestone with Blue Green Shale
282 - 284	Tan	Limestone and Sandstone White Shale
284 - 301	Cream	Limestone with Black Shale Streaks
301 - 307		Limestone with Blue Shale Streaks
307 - 311	Tan	Limestone
311 - 319	Brown	Limestone
319 - 329		Limestone with Blue Green Shale
329 - 339	Blue - Gray	Shale
339 - 341	Brown	Limestone & Shale
341 - 349	Gray	Shale
349 - 351	Brown	Limestone & Shale
351 - 352	Cream	Limestone

Bore Log

From-To	Bit Size - Number	
0 - 20	22"	Hole Opener
20 - 363	17 1/2"	
363 - 475	9 7/8"	
475 - 763	7 1/2"	
763 - 858	5 1/2"	

Well Casing Log

From-To	Casing
0 - 363	14" x Steel
2 - 0	14" x Steel
348 - 475	8 5/8" x .500 Stainless Steel
719 - 763	6 5/8" x .432 Stainless Steel

Screen Size	
Slot Size	Set From
Riser Pipe	Tail Pipe

Well Grout Used

Amount	Type
250 sacks	Neat Cement
10 sacks	High Early
12 sacks	EZ Seal
12 sacks	Casing Seal
4 sacks	Holeplug

352 - 355	Brown - Tan	Shale
355 - 357	Cream	Limestone with Streaks of White Shale
357 - 359	Cream	Limestone
359 - 361	Cream - Brown - Gray	Limestone
361 - 364	Brown	Limestone
364 - 367	Cream	Limestone
367 - 380	Cream - Brown	Limestone
380 - 383	Gray - Black	Shale Rock Soft
383 - 386	Cream	Limestone
386 - 390	Blue - Green	Shale - Rock - Soft -Streaks
390 - 396	Green - Tan	Limestone & Siltstone
396 - 406	Cream	Siltstone
406 - 416	Green - Gray	Limestone & Soft Streaks
416 - 421	Gray - Brown	Limestone & Siltstone
421 - 430	Green - Brown	Limestone with Quartz
430 - 432	Gray - Brown	Limestone
432 - 435	Brown - Tan	Limestone
435 - 443	Tan	Limestone with Black Lines
443 - 452	Cream	Limestone
452 - 458	Tan - Cream - Gray - Brown	Limestone
458 - 505	Lt. Brown	Limestone
505 - 530	Cream	Limestone
530 - 550	Brown - Cream	Limestone
550 - 585	Cream	Limestone with Sandy Texture
585 - 591	Cream - Gray	Limestone
591 - 612	Cream	Limestone
612 - 631	Brown	Limestone
631 - 638	Brown - Gray	Limestone
638 - 642	Gray	Limestone
642 - 647	Gray - Brown	Limestone
647 - 652	Cream	Limestone - Crumbly
652 - 716	Gray	Limestone
716 - 721	Brown - Gray	Limestone
721 - 726	Gray - Brown	Limestone - Crumbly
726 - 730	Lt. Blue	Shale - Soft - Streaks
730 - 735	Blue - Green	Limestone
735 - 757	Blue - Green	Limestone with Shale Seams
757 - 763	Cream	Limestone
763 - 768	Cream - Gray	Limestone
768 - 770	Brown	Limestone
770 - 775	Gray	Limestone
775 - 777	Cream	Limestone
777 - 778	Gray	Limestone
778 - 806	Gray - Brown	Limestone
806 - 830	Cream	Limestone

830 - 834	Gray	Limestone	
834 - 853	Brown - Cream	Limestone	
853 - 858	Brown - Gray	Limestone	

Received - 08/15/2012