

SHAWVER WELL COMPANY, INC.**TEST PUMPING REPORT****City of Princeton Well #3****Princeton, IA****Date: September 22 - 23, 2020**

Test Pump Crew:		Lucas Treangen			Length of Casing Above Ground: 30"
Depth of Well:		445'			
Size of Well:		12"			
SWL:		96'			
Pump Model:		8RJHC			
Pump HP:		60HP			
Length of Transducer:		273'			
Depth of Pump:		286'			
		Princeton Well #3			
Date/Time	GPM	PWL	Temp	Sand	Water/Pumping Details
9/22/20 7:20 AM	0	95.96	54.96		
9/22/20 7:21 AM	0	95.96	54.95		
9/22/20 7:22 AM	0	96.00	54.95		
9/22/20 7:23 AM	0	95.98	54.96		
9/22/20 7:24 AM	0	95.94	54.96		
9/22/20 7:25 AM	0	95.98	54.96		
9/22/20 7:26 AM	0	95.96	54.97		
9/22/20 7:27 AM	0	95.99	54.96		
9/22/20 7:28 AM	0	96.00	54.96		
9/22/20 7:29 AM	0	95.98	54.96		
9/22/20 7:30 AM	0	95.99	54.95		
START UP PUMP					
9/22/20 7:31 AM	330	128.21	54.99		
9/22/20 7:32 AM	330	139.10	55.16		
9/22/20 7:33 AM	330	149.27	55.26		
9/22/20 7:34 AM	330	155.24	55.34		Orange Dirty Water
9/22/20 7:35 AM	330	159.33	55.31		
9/22/20 7:36 AM	330	162.32	55.22		
9/22/20 7:37 AM	330	164.42	55.12		
9/22/20 7:38 AM	330	165.87	55.01		
9/22/20 7:39 AM	330	168.12	54.91		
9/22/20 7:40 AM	330	170.06	54.82		Clear Clean Water
9/22/20 7:45 AM	330	174.23	54.55		
9/22/20 7:50 AM	330	175.91	54.41	Lime	
9/22/20 7:55 AM	330	176.83	54.42		
9/22/20 8:00 AM	330	177.58	54.39		
9/22/20 8:05 AM	330	182.17	54.37	Lime	PH 6.8
9/22/20 8:10 AM	330	183.38	54.34		
9/22/20 8:15 AM	330	184.05	54.33		
9/22/20 8:20 AM	330	184.43	54.32	None	
9/22/20 8:25 AM	330	184.55	54.30		
9/22/20 8:40 AM	330	187.87	54.24		
9/22/20 8:55 AM	330	188.57	54.21		
9/22/20 9:10 AM	330	188.96	54.18		
9/22/20 9:25 AM	330	189.23	54.16		

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9/22/20 9:55 AM	330	189.57	54.11		
9/22/20 10:25 AM	330	189.91	54.07		
9/22/20 10:55 AM	330	190.10	54.02		
9/22/20 11:25 AM	330	190.20	54.00		
9/22/20 11:55 AM	330	190.23	53.98		
9/22/20 12:25 PM	330	190.30	53.94	None	
9/22/20 1:25 PM	330	190.41	53.92		
9/22/20 2:25 PM	330	190.41	53.89	None	
9/22/20 3:25 PM	330	190.49	53.66		
9/22/20 4:25 PM	330	190.68	53.52		
9/22/20 5:25 PM	330	190.78	53.46		
9/22/20 6:25 PM	330	190.76	53.78	None	
9/22/20 7:25 PM	330	190.86	53.77		
SHUT DOWN PUMP					
9/22/20 8:25 PM	0	97.41	53.75		
9/22/20 9:25 PM	0	96.91	53.55		
9/22/20 10:25 PM	0	96.76	53.59		
9/22/20 11:25 PM	0	96.73	53.62		
9/23/20 12:25 AM	0	96.63	53.66		
9/23/20 1:25 AM	0	96.62	53.69		
9/23/20 2:25 AM	0	96.51	53.70		
9/23/20 3:25 AM	0	96.52	53.69		
9/23/20 4:25 AM	0	96.50	53.75		
9/23/20 5:35 AM	0	96.35	54.01		
9/23/20 5:36 AM	0	96.32	54.04		
9/23/20 5:37 AM	0	96.34	54.04		
9/23/20 5:38 AM	0	96.37	54.05		
9/23/20 5:39 AM	0	96.34	54.06		
9/23/20 5:40 AM	0	96.32	54.08		
9/23/20 5:41 AM	0	96.35	54.08		
9/23/20 5:42 AM	0	96.37	54.07		
9/23/20 5:43 AM	0	96.33	54.10		
9/23/20 5:44 AM	0	96.36	54.01		
9/23/20 5:45 AM	0	96.35	54.07		
START UP PUMP					
9/23/20 5:46 AM	220	124.51	54.09		
9/23/20 5:47 AM	220	128.85	54.15		
9/23/20 5:48 AM	220	134.97	54.25		
9/23/20 5:49 AM	220	139.25	54.30		
9/23/20 5:50 AM	220	142.01	54.34		
9/23/20 5:51 AM	220	143.72	54.33		
9/23/20 5:52 AM	220	145.08	54.30		
9/23/20 5:53 AM	220	145.91	54.23		
9/23/20 5:54 AM	220	146.70	54.21		

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9/23/20 5:55 AM	220	147.26	54.16		
9/23/20 5:56 AM	220	147.69	54.13		
9/23/20 5:57 AM	220	148.00	54.10		
9/23/20 5:58 AM	220	148.37	54.06		
9/23/20 5:59 AM	220	148.65	54.05		
9/23/20 6:00 AM	220	148.85	54.01		
9/23/20 6:01 AM	220	149.15	54.00		
9/23/20 6:02 AM	220	149.25	53.99		
9/23/20 6:03 AM	220	149.48	53.97		
9/23/20 6:04 AM	220	149.57	53.98		
9/23/20 6:05 AM	220	149.76	53.97		
9/23/20 6:06 AM	220	149.87	53.96		
9/23/20 6:07 AM	220	149.92	53.93		
9/23/20 6:08 AM	220	150.15	53.94		
9/23/20 6:09 AM	220	150.16	53.94		
9/23/20 6:10 AM	220	150.35	53.93		
9/23/20 6:11 AM	220	150.40	53.94		
9/23/20 6:12 AM	220	150.44	53.92		
9/23/20 6:13 AM	220	151.09	53.91		
9/23/20 6:14 AM	220	150.85	53.93		
9/23/20 6:15 AM	220	150.94	53.92		
9/23/20 6:16 AM	220	150.86	53.91		
9/23/20 6:17 AM	220	150.79	53.92		
9/23/20 6:18 AM	220	150.85	53.91		
9/23/20 6:19 AM	220	150.93	53.91		
9/23/20 6:20 AM	220	151.04	53.90		
9/23/20 6:21 AM	220	151.00	53.90		
9/23/20 6:22 AM	220	151.02	53.90		
9/23/20 6:23 AM	220	151.03	53.90		
9/23/20 6:24 AM	220	151.09	53.90		
9/23/20 6:25 AM	220	151.13	53.90		
9/23/20 6:26 AM	220	151.17	53.91		
9/23/20 6:27 AM	220	151.21	53.90		
9/23/20 6:28 AM	220	151.22	53.89		
9/23/20 6:29 AM	220	151.39	53.89		
9/23/20 6:30 AM	220	151.31	53.87		
9/23/20 6:31 AM	220	151.43	53.88		
9/23/20 6:32 AM	220	151.44	53.90		
9/23/20 6:33 AM	220	151.42	53.88		
9/23/20 6:34 AM	220	151.46	53.87		
9/23/20 6:35 AM	220	151.41	53.89		
9/23/20 6:36 AM	220	151.54	53.89		
9/23/20 6:37 AM	220	151.49	53.89		
9/23/20 6:38 AM	220	151.59	53.88		

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9/23/20 6:39 AM	220	151.59	53.87		
9/23/20 6:40 AM	220	151.57	53.88		
9/23/20 6:41 AM	220	151.63	53.87		
9/23/20 6:42 AM	220	151.65	53.89		
9/23/20 6:43 AM	220	151.67	53.89		
9/23/20 6:44 AM	220	151.64	53.88		
9/23/20 6:45 AM	220	151.69	53.89		
9/23/20 6:50 AM	220	151.70	53.88		
9/23/20 6:55 AM	220	151.84	53.88		
9/23/20 7:00 AM	220	151.92	53.89		
9/23/20 7:05 AM	220	152.01	53.87		
9/23/20 7:10 AM	220	152.02	53.87		
9/23/20 7:15 AM	220	152.04	53.86		
9/23/20 7:20 AM	220	152.03	53.88		
9/23/20 7:25 AM	220	152.07	53.85		
9/23/20 7:30 AM	220	152.12	53.85		
9/23/20 7:35 AM	220	152.16	53.85		
9/23/20 7:40 AM	220	152.21	53.84		
9/23/20 7:45 AM	220	152.16	53.84		
9/23/20 7:55 AM	220	152.20	53.84		
9/23/20 8:05 AM	220	152.26	53.63		
9/23/20 8:15 AM	220	152.38	53.51		
9/23/20 8:25 AM	220	152.34	53.47		
9/23/20 8:35 AM	220	152.36	53.80		
9/23/20 8:45 AM	220	152.50	53.82		
9/23/20 9:00 AM	220	152.56	53.82		
9/23/20 9:15 AM	220	152.51	53.82		
9/23/20 9:30 AM	220	152.68	53.82		
9/23/20 9:45 AM	220	152.74	53.81		
9/23/20 9:46 AM	220	152.76	53.82		
SHUT DOWN PUMP					
9/23/20 9:47 AM	0	131.44	53.82		
9/23/20 9:48 AM	0	117.71	53.90		
9/23/20 9:49 AM	0	111.16	53.95		
9/23/20 9:50 AM	0	107.02	54.00	None	
9/23/20 9:51 AM	0	104.17	54.03		
9/23/20 9:52 AM	0	101.13	54.03		
9/23/20 9:53 AM	0	101.05	54.05		
9/23/20 9:54 AM	0	100.61	54.05		
9/23/20 9:55 AM	0	100.26	53.93		
9/23/20 9:56 AM	0	99.81	53.89		
9/23/20 9:57 AM	0	99.55	53.82		
9/23/20 9:58 AM	0	99.16	53.81		
9/23/20 9:59 AM	0	98.94	53.79		

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Date/Time	GPM	PWL	Temp	Sand	Water/Pumping Details
9/23/20 10:00 AM	0	98.81	53.82		
9/23/20 10:01 AM	0	98.59	53.84		
9/23/20 10:02 AM	0	98.51	53.82		
9/23/20 10:03 AM	0	98.24	53.84		
9/23/20 10:04 AM	0	98.17	53.83		
9/23/20 10:05 AM	0	98.03	53.91		
9/23/20 10:06 AM	0	98.05	53.90		
9/23/20 10:07 AM	0	97.97	53.96		
9/23/20 10:08 AM	0	97.87	53.95		
9/23/20 10:09 AM	0	97.75	53.98		
9/23/20 10:10 AM	0	97.66	54.00		
9/23/20 10:11 AM	0	97.67	53.99		
9/23/20 10:12 AM	0	97.56	54.02		
9/23/20 10:13 AM	0	97.40	54.02		
9/23/20 10:14 AM	0	97.49	54.02		
9/23/20 10:15 AM	0	97.44	54.05		
9/23/20 10:16 AM	0	97.33	54.03		
9/23/20 10:17 AM	0	97.35	54.06		