89460

CAHOY PUMP SERVICE

SUMNER, IA	MARNE, IA	CPS-Ill North	Cahoy Illinois South
Corporate Office	712-781-2030	Durand, Illinois	Lincoln, Illinois
563-578-1130			

WELL TEST DATA SHEET

CLIENT: Amana Service Society

WELL: Middle Amana #16

DATE: 7/12 & 7/13/2018

TESTED BY: Lloyd and Antonio

PUMP MODEL: Goulds 75GS100

AIRLINE LENGTH: Probe

DIAMETER: 10"

ORIFICE SIZE: 2x4

DEPTH OF WELL: 41'

MOTOR: Centripro 10hp

Production well SWL: 9.5'

GENERATOR USED: No Yes-GN1

BEGIN HOURS: 2902 END HOURS: 2927

STEP-RATE TEST CONSTANT RATE TEST

PRE-TREATMENT POST –TREATMENT

MEASUREMENT TAKEN FROM THE TOP OF THE WELL CASING WHICH IS 3 FEET FROM EXISTING GROUND/FLOOR LEVEL. Length of discharge line: 200'

TIME	Piezometer READING (ft.)	GPM	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	Spec Cap	SWL of well 15
9:45	32	85.4	13.80	4.30	X	19.86	8.0
	32	85.4	13.80	4.30	X	19.76	
9:46	32	85.4	13.80	4.30	X	19.86	
	32	85.4	13.80	4.30	X	19.86	
9:47	32	85.4	13.80	4.30	X	19.86	
	32	85.4	13.80	4.30	X	19.86	
9:48	32	85.4	13.80	4.30	X	19.86	
	32	85.4	13.80	4.30	X	19.86	
9:49	32	85.4	13.80	4.30	X	19.86	
	32	85.4	13.80	4.30	X	19.86	
9:50	32	85.4	13.80	4.30	X	19.86	
9:51	32	85.4	13.80	4.30	X	19.86	
9:52	32	85.4	13.80	4.30	X	19.86	
9:53	32	85.4	13.85	4.35	X	19.63	
9:54	32	85.4	13.90	4.40	X	19.40	
9:55	32	85.4	13.95	4.45	X	19.19	
9:56	32	85.4	14.00	4.50	X	18.97	
9:57	32	85.4	14.00	4.50	X	418.97	
9:58	32	85.4	14.00	4.50	X	18.97	
9:59	32	85.4	14.00	4.50	X	18.97	8.0
10:00	32	85.4	14.00	4.50	X	18.97	
10:01	32	85.4	14.00	4.50	X	18.97	
10:02	32	85.4	14.00	4.50	X	18.97	
10:03	32	85.4	14.00	4.50	X	18.97	
10:04	32	85.4	14.00	4.50	X	18.97	
10:05	32	85.4	14.00	4.50	X	18.97	
10:10	32	85.4	14.00	4.50	X	18.97	
10:15	32	85.4	14.00	4.50	X	18.97	
10:20	32	85.4	14.00	4.50	X	18.97	
10:25	32	85.4	14.00	4.50	X	18.97	
10:30	32	85.4	14.00	4.50	X	18.97	
10:35	32	85.4	14.00	4.50	X	18.97	8.0
10:40	32	85.4	14.00	4.50	X	18.97	
10:45	32	85.4	14.00	4.50	X	18.97	
10:50	32	85.4	14.00	4.50	X	18.97	
11:00	32	85.4	14.00	4.50	X	18.97	

TIME	Piezometer READING (ft.)	GPM	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	Spec Cap	SWL of well 15
11:10	32	85.4	14.00	4.50	X	18.97	
11:20	32	85.4	14.00	4.50	X	18.978	
11:30	32	85.4	14.00	4.50	X	18.97	
11:40	32	85.4	14.00	4.50	X	18.99	
11:50	32	85.4	14.10	4.60	X	18.56	
12:00pm	32	85.4	14.10	4.60	X	18.56	
12:30	32	85.4	14.15	4.65	X	18.36	
1:00	32	85.4	14.15	4.65	X	18.36	
1:30	32	85.4	14.20	4.70	X	18.17	
2:00	32	85.4	14.20	4.70	X	18.17	
3:00	32	85.4	14.30	4.80	X	17.79	
4:00	32	85.4	14.30	4.80	X	17.79	
5:00	32	85.4	14.40	4.90	X	17.42	8.5
6:00	32	85.4	14.40	4.90	X	17.49	8.5
7:00	32	85.4	14.40	4.90	X	17.49	
8:00	32	85.4	14.40	4.90	X	17.49	
9:00	32	85.4	14.50	5.00	X	17.49	
10:00	32	85.4	14.50	5.00	X	17.08	
11:00	32	85.4	14.50	5.00	X	17.08	
12:00am	32	85.4	14.50	5.00	X	17.08	
1:00	32	85.4	14.50	5.00	X	17.08	
2:00	32	85.4	14.50	5.00	X	17.08	
3:00	32	85.4	14.50	5.00	X	17.08	
4:00	32	85.4	14.50	5.00	X	17.08	
5:00	32	85.4	14.50	5.00	X	17.08	
6:00	32	85.4	14.50	5.00	X	17.08	
7:00	32	85.4	14.50	5.00	X	17.08	
8:00	32	85.4	14.50	5.00	X	17.08	
9:00	32	85.4	14.50	5.00	X	17.08	
9:45	32	85.4	14.50	5.00	X	17.08	8.5 end of 24-hr test
			Recovery				
9:46			10.50		X		
			10.40		X		
9:47			10.40		X		
			10.40		X		

Form revision Date: 07/11/2018

TIME	Piezometer READING (ft.)	GPM	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	Spec Cap	SWL of well 15
9:48			10.30		X		
			10.30		X		
9:49			10.30		X		
			10.30		X		
9:50			10.20		X		
9:51			10.20		X		
9:52			10.20		X		
9:53			10.20		X		
9:54			10.10		X		
9:55			10.10		X		
9:56			10.10		X		
9:57			10.10		X		
9:58			10.10		X		
9:59			10.00		X		
10:00			10.00		X		
10:01			10.00		X		
10:02			10.00		X		
10:03			10.00		X		
10:04			10.00		X		
10:05			10.00		X		
10:10			10.00		X		
10:15			10.00		X		
10:20			10.00		X		
10:25			10.00		X		
10:30			10.00		X		
10:35			10.00		X		
10:40			10.00		X		
10:45			10.00		X		

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