89458

The Cahoy Group

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 Society Service

WELL: High Amana #14

DATE: 6/26 & 6/27/2018

TESTED BY: Lloyd and Antonio

PUMP MODEL: Goulds 75GS100

AIRLINE LENGTH: Probe

DIAMETER: 10" well

ORIFICE SIZE: 2"x4"

DEPTH OF WELL: 38' 2" TOC

MOTOR: Centripro 10hp

Production well SWL: 17.25'

GENERATOR USED: No Yes-GN2

BEGIN HOURS: 5147 END HOURS: 5170

STEP-RATE TEST CONSTANT RATE TEST

PRE-TREATMENT POST –TREATMENTMEASUREMENT TAKEN FROM THE TOP OF THE WELL CASING WHICH IS 2 FEET FROM EXISTING GROUND/FLOOR LEVEL. Length of discharge line: 250'. In-Service production well running while test pumping well.

TIME	Piezometer READING (ft.)	GPM	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	TDH	Spec Cap	SWL of well 13
2:32	30	82.7	22.45	5.20			15.90	NA
	30	82.7	22.68	5.43			15.23	
2:33	30	82.7	22.71	5.46			15.14	
	30	82.7	22.76	5.51			15.00	
2:34	30	82.7	22.80	5.55			14.90	
	30	82.7	22.82	5.57			14.84	
2:35	30	82.7	22.90	5.65			14.63	
	30	82.7	23.00	5.75			14.38	
2:36	30	82.7	23.16	5.91			13.99	
	30	82.7	23.28	6.03			13.71	
2:37	30	82.7	23.30	6.05			13.66	
2:38	30	82.7	23.40	6.15			13.44	
2:39	30	82.7	23.50	6.25			13.23	
2:40	30	82.7	23.52	6.27			13.18	
2:41	30	82.7	23.54	6.29			13.14	
2:42	30	82.7	23.55	6.30			13.12	
2:47	30	82.7	23.75	6.50			12.72	
2:52	30	82.7	23.75	6.50			12.72	
2:57	30	82.7	23.80	6.55			12.62	
3:02	30	82.7	23.85	6.60			12.53	
3:07	30	82.7	23.90	6.65			12.43	
3:12	30	82.7	23.97	6.72			12.30	
3:17	30	82.7	24.00	6.75			12.25	
3:22	30	82.7	24.00	6.75			12.25	
3:32	30	82.7	24.10	6.85			12.07	
3:42	30	82.7	24.10	6.85			12.07	
3:52	30	82.7	24.15	6.90			11.98	
4:02	30	82.7	24.20	6.95			11.89	
4:12	30	82.7	24.20	6.95			11.89	
4:22	30	82.7	24.20	6.95			11.89	
4:52	30	82.7	24.30	7.05			11.73	
5:22	30	82.7	24.30	7.05			11.73	
5:52	30	82.7	24.30	7.05			11.73	
6:22	30	82.7	24.30	7.05			11.73	
7:22	30	82.7	24.35	7.10			11.64	
8:22	30	82.7	24.35	7.10			11.64	

TIME	Piezometer READING (ft.)	GPM	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	TDH	Spec Cap	SWL of well 13
9:22	30	82.7	24.40	7.15			11.56	NA
10:22	30	82.7	24.40	7.15			11.56	
11:22	30	82.7	24.45	7.20			11.48	
12:22	30	82.7	24.45	7.20			11.48	
1:22	30	82.7	24.50	7.25			11.40	
2:22	30	82.7	24.508	7.25			11.40	
3:22	30	82.7	24.55	7.30			11.32	
4:22	30	82.7	24.60	7.35			11.25	
5:22	30	82.7	24.60	7.35			11.25	
6:22	30	82.7	24.65	7.40			11.17	
7:22	30	82.7	24.75	7.50			11.02	
8:22	30	82.7	24.65	7.40			11.17	
9:22	30	82.7	25.20	7.15			10.40	
10:22	30	82.7	25.00	7.75			10.67	
11:22	30	82.7	25.00	7.75			10.67	
12:22pm	30	82.7	25.00	7.75			10.67	
1:22	30	82.7	25.00	7.75			10.67	
2:22	30	82.7	25.00	7.75			10.67	End of 24hr test
Recovery								
2:22			18.70					
			18.70					
2:23			18.65					
			18.62					
2:24			18.60					
			18.57					
2:25			18.53					
			18.49					
2:26			18.44					
			18.40					
2:27			18.38					
2:28			18.34					
2:29			18.30					
2:30			18.28					
2:31			18.24					
2:32			18.20					

Form revision Date: 07/11/2017

TIME	Piezometer READING (ft.)	GPM	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	TDH	Spec Cap	SWL of well 13
2:37			18.00					
2:42			17.80					
2:47			17.75					
2:52			17.70					
2:57			17.70					
3:02			17.68					
3:07			17.65					
3:12			17.62					
3:22			17.60					
3:42			17.55					
3:52			17.52					
4:02			17.52					
4:12			17.50					
4:22			17.50					
4:52			17.50					
5:22			17.25					

Form revision Date: 07/11/2017