

Maquoketa No. 4
February 19, 1957

Original static level 48 feet (before well was ever pumped). Unable to get electric line or steel tape in hole. Bottom of air line at 190 feet. Top of bowls at 190 feet. Bowls and suction pipe extended 27 feet below that, or to 217 feet.

<u>Time</u>	<u>Drawdown</u>	<u>Pumping level</u>	<u>GPM</u>	<u>Remarks</u>
Airline measurements				
2:20 p.m.			1278	pump started
2:25				pump stopped
2:41				pump started
2:50	90	138	1450	Temp. 67°F
3:15	123	171	1450	
3:40	134	182	1450	
3:50	132	180		
4:15	136	184	1450	
				pump rated reduced to 1346
4:25				Temp. 67°F
4:35	131	179	1346	
5:35			1312	
				speed increased
5:45	137	185	1346	
7:49	137	185	1346	Temp. 67°F
8:47	138	186	1346	
9:10			1278	Pump rate reduced
9:30	134	182	1278	
10:00	134	182	1278	
10:30	136	184	1278	pump rate reduced
11:00	134	182	1245	
11:30	132	180	1245	
12:00	135	183	1278	
12:30 a.m.	135	183	1245	
1:00	135	183	1245	
1:30	135	183	1245	
2:00	135	183	1245	
2:30	135	183	1245	
3:00	136	184	1245	
3:30	130	178	1212	
4:00	130	178	1212	
4:30	130	178	1212	
5:00	130	178	1212	
5:30	128	176	1212	
6:00	127	175	1212	
6:30	134	182	1245	

<u>Time</u>	<u>Drawdown</u>	<u>Pumping level</u>	<u>GPM</u>	<u>Remarks</u>
7:00	134	182	1245	
7:30	134	182	1245	
8:00	134	182	1245	
8:30	130	178	1245	
9:00	130	178	1212	
9:30	128	176	1212	water sample taken; slight amount of white silt; slight odor.

Pumping to continue for total of 72 hours.

Discharge measured with a rectangular weir.