STATE OF IOWA

IOWA GEOLOGICAL SURVEY

GEOLOGY ANNEX

IOWA CITY

WELLMAN TOWN WELL

Wednesday, February 6, 1946

Time	Interval	Guage (feet)	Water Level (feet)	Production (G.P.M.)	Remarks
February 6 2:52 P.M.		54	29		Approximate static water level Pumping started.
	5 sec.	50	33	183	20 lb. discharge pressure
	10 sec.	48	35		
	15 sec.	46	37		
	30 sec.	46	37		
	60 sec.	46	37		
	1 min. 15 sec.	45	38		
	1 min. 30 sec.	44	39		
	2 min.	43	40		
	3	42	41		
	4	42	41		
	5	42	41		
	6	41½	41½		
	7	41	42		
	10	40½	42½		
	40	38	45		
	1 hr. 5 min.	19½	63½	150	15 lbs. pressure
	1 hr. 28 min.	19	64		

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IOWA CITY

WELLMAN CITY WELL

Discharge valve closed to 70 lbs. at 4:19 P.M.

Interval	Guage	Water Level	Recharge	Remarks
30 seconds	31 ft.	52 ft.	12 ft.	94 g.p.m., 70 lb. pressure
1 minute	34	49	15	
1 min. 30 sec.	35	48	16	
5 minutes	38	45	19	
10 minutes	38	45	19	

Well seemed to level off at 45 ft. (Pumping 94 g.p.m.) However, pump had to be reset to increase discharge at 75 lbs. so pump was shut off and impellers lowered from 14 notches to 12 notches and pump again started wide open (180 g.p.m.) and allowed to drawdown to 19 ft. - which it did in about 5 minutes. Discharge valve again shut down to 76 lbs. and recharge checked nearly same as before. Pump pumping 138 g.p.m. and had to be shut off and reset again - and above process repeated with nearly same results. Pump delivering 103 g.p.m. at 76 lbs. and 120 g.p.m. at 65 lbs.