PUMPING TEST

Charles City, Floyd Co., Ia.

City Well No. 4

Date	Time A.M.	Water Level	Corr. Water Level	Interval Draw down	Interval Time Elapsed	Draw down	Time Elapsed	Prod. G.P.M.	Remarks.
Dec 21 '38	10:20	11.26'	"	Recovery					Air 26°
	10:31	10.92	"	"					
	10:35	10.86	"	"					
	10:35:30								Pump started, test run.
	10:40	<90'						75± (est.)	Sample taken, pump stopped
	11:00	13.70	"	Recovery					
	11:04								Pump started, valve open only slightly.
	11:05	20.02	"						
	11:05:50	20.34	"						Valve opened wide
	11:07	37.72	"						Pump slowed down
	11:08	37.65	"						Very little water being pumped.
	11:09	36.55	"						" " " " "
	11:10	51.67	"					150± (est.)	Pump speeded up.
	11:10:30								Pump stopped.
	11:11	46.35		Recovery					
	11:12:30	42.45							
	11:15								Pump on
	11:15:30	50.82							
	11:17:30	86.90							
	11:19:30	<98'							
	11:20								Pump off, change to 4" orfice.
	11:21	65.60							Pump on
	11:23	67.98						100±	
	11:24	<90'							
	11:25								Air 32°, Water 50°
	11:32								Pump off
	11:34	65.90	Recovery						
	11:35	61.38							
	11:35:30	59.89							
	11:36	57.15							
	11:37	56.11							
	11:38	54.98							
	11:40:15	50.00							
	11:42	48.15							
	11:45	45.74							
	11:50	42.75							
	11:55	40.90							
	12:01	40.05							

John C. Moore Corporation Rochester, N. Y. Binder and holes in leaves, ... Patented 1906. ...0687

Charles City, Floyd Co
City Well No 4

Feb. 14, 1939

6-4	2:50	63'1"		
	3:00	63'1'		Pump start.
	3:05	65'6"		300 gpm
	3:10		3:05 - 3:10	Slowed to fix governor
	3:14	69'2"		490 gpm
	3:20	69'5"		" "
	3:25	64'4"		Shut down 3:20
	3:26	64'4"		Start
	3:30	70'4"		560 gpm.
	3:35	73'10"		(36) 740 " at 3:33.
	3:40	74'1"		(33) 720 334
				695 gpm
	3:45	73'0"		622 gpm
	3:50	73'4½		622 "
	3:55	73'1½		640 "
	4:00	72'7"		610
	4:10	73'1"		610-635-610
	4:20	73'0"		640 T 27/36
	4:30	72'8"		600-620
	4:45	72'8"	Stopped	600+
	4:46	66'4		
	4:47	65'6"		
	4:50	65'2"		
	4:55	64'10"		
	5:00	64'7		
	5:05	64'4½		
	5:10	64'3½		
	5:20	64'2"		
Feb. 14	5:30p	63'11½		
Feb. 15	9 20	63'4"		

Production varied from 600-650 during last hour of 1¾ hr test, caused P.W.L. to vary also - Ave about 625 at 9'10½" dd.
W.E. Wheeler - F. Heinz (sec.) - Ed. La Barge

Ref pt. 1'4" above drill floor 10" above curb
Discharge 16' from pump 6" discharge 5" orifice FLOYD