John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 400687

Davis Nov. 26, 1941

Town Well, Wilton Junction, Muscatine Co
Location: NW NW sec 6 - T 78 N - R 1 W

Static water level 60' (air line)
Measuring point = base pump, 2.8' above ground.
Length of air line = 99' below base pump (Air line stopped up)

Time	
11:51A	Pump start. Water turbid with clay & iron oxide
11:55	Prod. 340 gpm 92 gal. in 16¼ sec.
12:00	Temp. water 52½° Air 51°
12:10P	Prod. 302 g.p.m. 92 gal. in 18¼ sec
1:18	Prod 276 gpm, 92 gal. in 20 sec. Valve open so that pump was drawing air. Inaccurate
1:24	Pump stop
1:29	Pump start. Water little more cloudy than before 1:24
1:50	279 g.p.m. 92 gal. in 19¾ sec.
5:00	Shut down (Reported by driller)

End of tail pipe set at 113'.
Pump set just above 113'

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Wilton Junction, Muscatine Co

Proposed well

Feb. 10, 1941

Mayor Herbert Wacker
Engineer J. H. Kanoff
Mr Witmer

On well No 3 at tank dd about 20' at 220 gpm reported by Engineer

Proposed well to be used as standby

Rock reported to drop off to E. and ∴ may pull in sd. and clay.

Fiala OK's location 500'± NW×W of tank and present well. Geology should be similar to No 3 well at tank. On Andrew Zing, in Mower Addition, Wilkerson, George Marolf.

Left I.C. at noon — Fiala in town about 2:30
Council Meeting 7:30 — 10:00 p.m.

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Davis
Milton Jct. Town Well
Pumping Test
Nov. 26, 1941

Air line Measurements
Length air line 99' below base pump

Time	Air Line Meas.	Water Level	
	39*	60*	Static Level
11:51 A			Pump start
11:55			16 1/4 sec
			W. Temp 52 1/2° F
			Air 51°
12:10 P.			18 1/4 sec.
1:18	Valve open so as to Pump air		20 sec
1:24			Pump stop
1:29	Water a little more cloudy		Pump start
1:50			19 3/4 sec

*MP 2.8' above ground
Tank holds 42 gal

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 400687

MOORE'S MODERN METHODS

Milton Jct

Pump set at 113 below base of pump

Bottom of tail pipe at 113 ft of tail pipe

[6" pulled ripped down to 278]

Drilled to 269 & set liner to 269
at 272 rock became broken &
started producing water. Bailed
to 350 & bailer test at about
40 g.p.m. with about 12' drawdown
then pump set at 123 ft.
& pumped a coffee (50 gal)
& then pumped by the flow
valve shut down to throw
a constant stream & had
about 150 ft pressure & pumping
not more than 50 g.p.m.
Pump removed & rewired
& water drawn until fairly
clear and it just filled
with 30-40 g.p.m.
& held. Tried again about
3 p.m. then started
started down & tried
then 6" liner removed
& tried bailing again.
Tried 4½" drive down to deep
pull. Pulled 6" liner pipe
& replaced 2 ft related
[illegible] & drove to
278 ft level.

Spit from pump house

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 400687

& cleaned hole to 345'.
made bailer test of
53 gpm. sometimes
water flowed over only 4 ft.
and other times down
27 feet. A sediment was
coming in water - sediment
came in from below liner
when pump was pulled
[illegible] bailer
bottom could purge
only 1/2 strokes (3 ft)
& after
8 hrs pumping, purged
35 strokes (20 feet more)
& made no [illegible]
sediment in bailer
well at same time
was 36 feet. Pump
purge pumps at 60 gpm
probable about 15 hrs
and sediments cut down
to a little less than
1/2 pint per 5 gallons
water. Pump
set at 175 feet.

Pumping Test
Wilton Junction Town Well
November 26, 1941

Location: NW¼ NW¼ sec. 6 - T78N - R1W

Pump set just above 113 feet below surface. Bottom of tail pipe at 113 feet. Bottom of airline - 99 feet below base of pump which is 2.8 feet above ground.

Static water level measured by driller wsing airline = 60 feet below base of pump.

During the test the water levels could not be measured as the air line had been bent and stopped up during installation.

Time	Production G.P.M.	Remarks
11:51 A.M.		Pump started. Water turbid.
11:55	340	92 gallons in 16¼ sec.
12:00		Water Temp. 52½°. Air Temp. 51°.
12:10 P.M.	302	92 gallons in 18¼ sec.
1:18	276	92 gallons in 20 sec. Valve on pump opened wide so that water level was lower to bottom of tail pipe and the pump drew up air. Production figure probably is not accurate.
1:24		Pump stopped.
1:29		Pump started. Water slightly more turbid than before 1:24.
1:50	279	92 gallons in 19¾ sec.
5:00		Pump stopped. (Reported by driller).

278' of 6" pipe from surface to 278