IOWA GEOLOGICAL SURVEY

Results of Pumping Test on Farmersburg Town Well

June 20, 1939

| TIME | CORRECTED WATER LEVEL READING | | REMARKS |
|---|---|---|---|
| A.M. | 231.4 | | |
| 9:40 | 231.4 | | Static water level |
| 9:45 | 231.4 | | Start of test |
| 9:46 | 232.9 | 1.5 | Water cloudy |
| 9:47 | 233.0 | 1.6 | " " |
| 9:50 | 233.3 | 1.9 | 34 strokes per min. |
| 9:55 | 233.4 | 2.0 | 40.2 g. p. m. |
| 10:00 | 233.5 | 2.1 | Water cloudy |
| 10:10 | 233.6 | 2.2 | " " |
| 10:15 | 233.7 | | " clearing |
| 10:25 | 233.8 | | 40.7 g. p. m. |
| 10:30 | 233.9 | | Air 79° Water 50¾° |
| 10:50 | 234.0 | 2.6 | 41.4 g. p. m. |
| 11:00 | | | Pump speed increased |
| | | | Production increased |
| 11:01 | 234.9 | 3.5 | |
| 11:02 | 235.2 | | |
| 11:05 | 235.4 | | 69 g. p. m. |
| 11:10 | 235.6 | 4.2 | 67 g. p. m. |
| 11:15 | 235.6 | | Air 82° water 50¾+° |
| 11:30 | 235.7 | | Water cloudy |
| 11:45 | 235.8 | 4.4 | 69 g. p. m. |
| 11:55 | 235.9 | | |
| 1:20 | 236.3 | 4.9 | Water clearing. 72 g. p. m. |
| 1:30 | 236.3 | | Air 83°, water 50¾+° |
| 1:45 | 236.4 | | |
| 2:00 | 236.5 | | Water clearing |
| 2:15 | 236.5 | 5.1 | |
| 2:15 | | | Pump speed increased |
| | | | Production increased |
| 2:16 | 237.0 | 5.6 | 79.2 g. p. m. |
| 2:17 | 237.1 | | |
| 2:18 | 237.0 | | 79.2 g. p. m. |
| 2:20 | 237.0 | | 79.2 g. p. m. |
| 2:25 | 237.0 | | Water slightly cloudy and carrying very small amount of sand |
| 2:30 | 237.0 | | " " " " " " |
| 2:35 | 237.0 | | Air 84°, water 50¾+° |
| 2:45 | 237.0 | | 79.2 g. p. m. |
| 2:55 | | | Pump stopped for recovery readings |
| 2:56 | 233.8 | 3.2 | |
| 2:57 | 233.5 | 3.5 | |

All temperatures measued at end of 4" discharge 4' above curb and 11' from ℄ of well. Reference point of all measurements, elev. 948.7, 1.1' above natural ground level 6" above top of 8" pipe, driller's point of reference 984.2

| TIME | CORRECTED WATER LEVEL READING | | REMARKS |
|---|---|---|---|
| 2:58 | 233.2 | | |
| 3:00 | 233.1 | | |
| 3:05 | 232.9 | 4.1 | |
| 3:10 | 232.8 | | |
| 3:15 | 232.7 | | |
| 3:25 | 232.6 | | |
| 3:35 | 232.4 | 4.6 | |
| 3:45 | | | Pump started |
| 3:46 | 233.9 | | |
| 3:47 | 233.9 | | |
| 3:50 | 234.2 | | 39 g. p. m. |
| 3:52 | | | Pump speed increased 47.4 g. p. m. |
| 3:55 | 234.8 | | Water clear but carries small amount of sand |
| 4:00 | 234.8 | | " " " " " " |
| 4:15 | 235.0 | | |
| 4:30 | 235.1 | | 52 g. p. m. |
| 4:45 | 235.1 | | |
| 5:10 | | | Sampled. Air 81°, Water 50½° |
| 5:15 | 235.1 | | 54 g. p. m. Water slightly cloudy and carrying trace of sand |