**Sewer camera notes:**

Depth as recorded on the video is largely inaccurate, more accurate measurement tape depths below for reference

Both boreholes airlifted at 230 feet depth

Tilt in volts, 0.5V = 0 degrees, 2.5V = 180 degrees, 4.5V = 360 degrees horizontal (90degrees/volt)

Local time

**Injection in Zone 7 with camera in TN (REC\_20220421\_094351\_312.MP4):**

Depth 0000.0F on camera = 227 feet inside borehole -> actual depth = 227 feet – depth on camera, but depth off by 10 feet at the top

09:55 start injection at 25 ml/min

10:09 fracture opening, increase flow to 400 ml/min

10:19 inflow first noticed at the bottom of the hole (but potentially starting already earlier)

10:23 start moving camera up – flow noticed at 185 ft, 181 ft borehole depth (from tape)

11:27 stop injection, flow observed still at 172, 171, 168, 165.5, 157, 153, 149 ft borehole depth (from tape)

Noticed tape to be wet at 145ft when coming out of the borehole (79 feet borehole depth)

**Injection in Zone 7 with camera in TL (REC\_20220421\_123707\_144.MP4):**

12:30 camera into TL top to bottom (0000.0 feet at wellhead negative down)

12:37 restart camera at 49 feet after computer crash

12:45 restart injection at 400 ml/min, noticing wetness at 148.7 feet, flow from above at 150 (13:30 min REC), 155 feet

13:05 stop injection

**Injection in Zone 4 with camera in TL (REC\_20220421\_134154\_310.MP4):**

13:46 start flow at 100 ml/min

13:49 increase to 400 ml/min

13:54 switch to Triplex (increase flow to ?)

Jets at 172 borehole depth (from tape) (24 min REC)

Jets at 177 feet borehole depth (from tape) (30.57 min REC)

**Injection in Zone 4 with camera in TN (REC\_20220421\_142706\_906.MP4):**

Flow but no jets, unable to locate exact location(s) of inflow (likely several locations between 144 and 184 feet)

14:53 stop injection

**Injection in Zone 1 with camera in TN (REC\_20220421\_153551\_305.MP4):**

15:34 start injection with Triplex

15:39 increase flow to 500 ml/min

15:47 increase flow to 1.8 l/min

Jets at 148.9 feet borehole depth (from tape) and several locations few feet below (21.17 min REC)

16:06 shut in, no more jets at 148.9 feet

16:12 restart injection at 1.8 l/min

16:14 jets reappear at 148.9 feet (38.50 min REC)

16:18 shut-in

16:19 jets die down

**Injection in Zone 1 with camera in TL (REC\_20220421\_162344\_636.MP4):**

16:26 restart injection with Triplex

Flow off the walls at 154 feet borehole depth (from tape) (15:30 min REC)

Increase injection rate to ?

16:40 jet at 154.5 feet borehole depth (from tape) (16:21 min REC)

Jets at 160 feet borehole depth (from tape) (20.02 min REC)

Jet at 160.5 feet borehole depth (from tape) (21.08 min REC)

16:51 stop injection