



Job No. 10-16-7284
 Client ONEOK
 Location LAHEY 2

PO/WO No. _____ Date 9/7/2017
 Drilling Co. **WOOFER PUMP & WELL**
 GPS: Lat: N37.329634 Long: W101.026714
 S/N 36610585

Calibrated Instrument Used FLUKE 177

| Depth | Logging Volts: 13.6 | | Geological Log | Depth | Logging Volts: 13.6 | | Geological Log | No. | Depth | No Coke | With Coke |
|-------------|---------------------|-------|----------------------|-------|---------------------|---------------------|-----------------------|------------------|-------|---------|-----------|
| | Amps | Ohms | | | Amps | Ohms | | | | | |
| 5 | | | 0-2 SURFACE | 205 | | | | 1 | 240 | 2.40 | 6.10 |
| 10 | | | | 210 | | | | 2 | 230 | 2.50 | 6.30 |
| 15 | | | | 215 | | | | 3 | 220 | 2.10 | 6.20 |
| 20 | | | 2-16 CLAY | 220 | | | 136-216 SAND & GRAVEL | 4 | 210 | 2.60 | 6.20 |
| 25 | 0.80 | 17.00 | | 225 | | | | 5 | 200 | 2.20 | 5.90 |
| 30 | 1.20 | 11.33 | | 230 | | | | 6 | 190 | 1.70 | 5.70 |
| 35 | 1.30 | 10.46 | | 235 | | | | 7 | 180 | 2.10 | 5.70 |
| 40 | 0.70 | 19.43 | | 240 | | | | 8 | 170 | 2.00 | 5.70 |
| 45 | 0.60 | 22.67 | | 245 | | | | 9 | 160 | 1.80 | 5.50 |
| 50 | 0.60 | 22.67 | | 250 | | | 216-250 SANDY CLAY | 10 | 150 | 1.10 | 4.80 |
| 55 | 0.50 | 27.20 | | 255 | | | | 11 | 140 | 1.30 | 4.60 |
| 60 | 0.50 | 27.20 | | 260 | | | | 12 | 130 | 0.90 | 4.10 |
| 65 | 0.60 | 22.67 | | 265 | | | | 13 | | | |
| 70 | 0.70 | 19.43 | | 270 | | | | 14 | | | |
| 75 | 1.00 | 13.60 | | 275 | | | | 15 | | | |
| 80 | 0.80 | 17.00 | | 280 | | | | 16 | | | |
| 85 | 0.60 | 22.67 | | 285 | | | | 17 | | | |
| 90 | 0.60 | 22.67 | | 290 | | | | 18 | | | |
| 95 | 0.60 | 22.67 | | 295 | | | | 19 | | | |
| 100 | 0.70 | 19.43 | | 300 | | | | 20 | | | |
| 105 | 0.60 | 22.67 | | 305 | | | | 21 | | | |
| 110 | 0.50 | 27.20 | | 310 | | | | 22 | | | |
| 115 | 0.40 | 34.00 | | 315 | | | | 23 | | | |
| 120 | 0.40 | 34.00 | | 320 | | | | 24 | | | |
| 125 | 0.50 | 27.20 | | 325 | | | | 25 | | | |
| 130 | 0.90 | 15.11 | | 330 | | | | 26 | | | |
| 135 | 1.50 | 9.07 | 16-131 SAND & GRAVEL | 335 | | | | 27 | | | |
| 140 | 1.60 | 8.50 | 131-136 SANDY CLAY | 340 | | | | 28 | | | |
| 145 | 1.30 | 10.46 | | 345 | | | | 29 | | | |
| 150 | 1.20 | 11.33 | | 350 | | | | 30 | | | |
| 155 | 1.30 | 10.46 | | 355 | | | | 31 | | | |
| 160 | 1.60 | 8.50 | | 360 | | | | 32 | | | |
| 165 | 2.30 | 5.91 | | 365 | | | | 33 | | | |
| 170 | 1.80 | 7.56 | | 370 | | | | 34 | | | |
| 175 | 2.10 | 6.48 | | 375 | | | | 35 | | | |
| 180 | 2.20 | 6.18 | | 380 | | | | 36 | | | |
| 185 | 2.00 | 6.80 | | 385 | | | | 37 | | | |
| 190 | 1.80 | 7.56 | | 390 | | | | | Volts | 13.60 | 13.60 |
| 195 | 1.80 | 7.56 | | 395 | | | | | Amps | 22.70 | 66.80 |
| 200 | 2.10 | 6.48 | | 400 | | | | | Ohms | 0.60 | 0.20 |
| Hole Dia.: | | 10" | Total Depth: | | 250' | Casing: Feet: 20' | | Dia.: | 10" | Type: | SDR 21 |
| No. Anodes: | | 12 | Size and Type: | | 4X80 GRAPHITE | Anode Lead: | | Size: | #8 | Type: | HALAR |
| Lbs. Coke: | | 5750# | Coke Type: | | LORESCO SC-3 | Top of Coke Column: | | 63' | Vent: | 160' | |
| Lbs. Plug: | | 2000# | Plug Type: | | BENTONITE | Top of Plug: | | 3' BELOW SURFACE | | | |