

TEMPERATURE-DEPTH LOG

Hole Name OLD MAID FLAT Twp/Rg/Sec 2S / 8E / 15

Company/Owner (address) NNG Hole No. 2S/8E-150C

Map _____ Drill Depth & Date _____ Zero Elev. _____

Probe, Cable, Bridge PR 2 T.H.S Operator G.L. Black

Comments WELL INITIALLY CAPPED - FIRST OPENED Date Probed Dec. 20, 1977

ARTESIAN FLOW ~5gpm - RAPIDLY DIED OFF TO ~1.5gpm

| Depth meters | Resistance ohms | Temperature °C | ΔT/Δx °C/km | Comments |
|--------------|-----------------|----------------|-------------|----------|
| 0 | | | | |
| 5 | 6373.0 | 7.44 | -18 | |
| 10 | 6398.5 | 7.35 | 48 | |
| 15 | 6332.5 | 7.59 | 76 | |
| 20 | 6233.0 | 7.97 | 80 | |
| 25 | 6127.0 | 8.37 | 102 | |
| 30 | 5998.0 | 8.88 | 144 | |
| 35 | 5814.5 | 9.62 | 114 | |
| 40 | 5676.0 | 10.19 | 80 | |
| 45 | 5582.5 | 10.59 | 80 | |
| 50 | 5491.0 | 10.99 | 64 | |
| 55 | 5418.0 | 11.81 | 36 | |
| 60 | 5377.7 | 11.49 | 102 | |
| 65 | 5264.5 | 12.00 | 68 | |
| 70 | 5191.0 | 12.34 | 66 | |
| 75 | 5122.0 | 12.67 | 66 | |
| 80 | 5052.0 | 13.00 | 74 | |
| 85 | 4975.0 | 13.27 | 74 | |
| 90 | 4901.0 | 13.74 | 74 | |
| 95 | 4828.0 | 14.11 | 68 | |
| 100 | 4761.0 | 14.45 | | |

TEMPERATURE-DEPTH LOG

Hole Name _____ Twp/Rg/Sec _____ / _____ / _____
 Company/Owner (address) _____ Hole No. 2S/8E-150C
 Map _____ Drill Depth & Date _____ Zero Elev. _____
 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 12/20/77

| Depth meters | Resistance ohms | Temperature °C | $\Delta T/\Delta x$ °C/km | Comments |
|--------------|-----------------|----------------|---------------------------|----------|
| 105 | 4678.0 | 14.88 | 86 | |
| 110 | 4605 | 15.27 | 78 | |
| 115 | 4540 | 15.62 | 78 70 | |
| 120 | 4472 | 15.99 | 74 | |
| 125 | 4409 | 16.34 | 70 | |
| 130 | 4343 | 16.72 | 70 76 | |
| 135 | 4292 | 17.01 | 76 58 | |
| 140 | 4223 | 17.41 | 76 80 | |
| 145 | 4159 | 17.79 | 76 | |
| 150 | 4105 | 18.12 | 66 | |
| 155 | 4051 | 18.45 | 66 | |
| 160 | 4005 | 18.74 | 58 | |
| 165 | 3948 | 19.10 | 72 | |
| 170 | 3895 | 19.44 | 68 | |
| 175 | 3838 | 19.81 | 74 | |
| 180 | 3783 | 20.18 | 74 | |
| 185 | 3734 | 20.51 | 66 | |
| 190 | 3683 | 20.86 | 70 | |
| 195 | 3622 | 21.29 | 86 | |
| 200 | 3571 | 21.65 | 72 | |
| 205 | 3511 | 22.08 | 86 | |

| | |
|---|---|
| B | A |
| C | D |

TEMPERATURE-DEPTH LOG

Hole Name _____ Twp/Rg/Sec _____ / _____ / _____
 Company/Owner (address) _____ Hole No. 2S/8E-15DC
 Map _____ Drill Depth & Date _____ Zero Elev. _____
 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 12/20/77

| Depth meters | Resistance ohms | Temperature °C | $\Delta T/\Delta x$ °C/km | Comments |
|-----------------|----------------------|-------------------|------------------------------|----------|
| 210 | 3460 | 22.46 | 76 | |
| 215 | 3413 | 22.91 | 70 | |
| 220 | 3381 3378 | 23.07 | 52 | |
| 225 | 3340 | 23.37 | 60 | |
| 230 | 3302 | 23.66 | 58 | |
| 235 | 3262 | 23.98 | 64 | |
| 240 | 3233 | 24.21 | 46 | |
| 245 | 3205 | 24.44 | 46 | |
| 250 | 3173 | 24.70 | 52 | |
| 255 | 3097 | 25.33 | 13 2 | |
| 260 | 3065 | 25.60 | 54 | |
| 265 | 3032 | 25.88 | 56 | |
| 270 | 3003 | 26.14 | 52 | |
| 275 | 2968 | 26.44 | 60 | |
| 280 | 2940 | 26.69 | 50 | |
| 285 | 2910 | 26.96 | 54 | |
| 290 | 2879 | 27.25 | 58 | |
| 295 | 2848 | 27.53 | 56 | |
| 300 | 2819 | 27.80 | 54 | |
| 305 | 2790 | 28.08 | 56 | |
| 310 | 2763 | 28.33 | 50 | |

| | |
|---|---|
| B | A |
| C | D |

TEMPERATURE-DEPTH LOG

Hole Name _____ Twp/Rg/Sec _____ / _____ / _____
 Company/Owner (address) _____ Hole No. 25/8E ISDC _____
 Map _____ Drill Depth & Date _____ Zero Elev. _____
 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 12/20/77

| Depth meters | Resistance ohms | Temperature °C | $\Delta T/\Delta x$ °C/km | Comments |
|-----------------|--------------------|-------------------|------------------------------|----------|
| 315 | 2740 | 28.56 | 46 | |
| 320 | 2713 | 28.82 | 52 | |
| 325 | 2681 | 29.14 | 64 | |
| 330 | 2653 | 29.42 | 56 | |
| 335 | 2621 | 29.74 | 64 | |
| 340 | 2598 | 29.98 | 48 | |
| 345 | 2576 | 30.21 | 46 | |
| 350 | 2556 | 30.42 | 42 | |
| 355 | 2539 | 30.60 | 36 | |
| 360 | 2521 | 30.79 | 38 | |
| 365 | 2503 | 30.98 | 38 | |
| 370 | 2491 | 31.11 | 26 | |
| 375 | 2477 | 31.26 | 26 | |
| 380 | 2473 | 31.31 | 10 | |
| 385 | 2462 | 31.43 | 24 | |
| 390 | 2453 | 31.53 | 20 | |
| 395 | 2446 | 31.60 | 14 | |
| 400 | 2438.0 | 31.69 | 18 | |
| 405 | 2431.5 | 31.76 | 14 | |
| 410 | 2427.1 | 31.81 | 10 | |
| 415 | 2419.5 | 31.90 | 18 | |

TEMPERATURE-DEPTH LOG

1080 0 01 0

Hole Name _____ Twp/Rg/Sec _____ / _____ / _____
 Company/Owner (address) _____ Hole No. 2S/8E-15DC
 Map _____ Drill Depth & Date _____ Zero Elev. _____
 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 12/20/77

| Depth meters | Resistance ohms | Temperature °C | $\Delta T/\Delta x$ °C/km | Comments |
|--------------|--------------------------|----------------|---------------------------|----------|
| 420 | 2411.0 | 31.99 | 18 | |
| 425 | 2408.0 | 32.03 | 8 | |
| 430 | 2364.8 | 32.52 | 98 | |
| 435 | 2341.8 | 32.79 | 54 | |
| 440 | 2319.4 | 33.05 | 52 | |
| 445 | 2295.1 2293.4 | 33.36 | 62 | |
| 450 | 2265.9 | 33.69 | 66 | |
| 455 | 2236.0 | 34.05 | 72 | |
| 460 | 2209.3 | 34.38 | 66 | |
| 465 | 2183.5 | 34.70 | 64 | |
| 470 | 2156.0 2154.3 | 35.08 | 76 | |
| 475 | 2131.4 2129.5 | 35.40 | 64 | |
| 480 | 2114.8 | 35.59 | 38 | |
| 485 | | | | |
| 490 | | | | |
| 495 | | | | |
| 500 | | | | |

