5 cm

# HYDRAULIC
# FILL SETTLEMENT CELL
# RESULTS

**INSTALLATION DETAILS:**

| | |
|---|---|
| LOCATION | Lower Pit Stope |
| LIFT | 2ND |
| DATE | 25-6-1980 |
| NUMBERS | 27   28   30 |
| INITIAL WATER R.L. | -220.172  -220.135  -220.180 |

**TRANSDUCER DETAILS**

| | |
|---|---|
| R.L. | |
| CALIBRATION | 50.67 µε/kPa |
| LOCATION | - 235 Q 11 |

**INITIAL CELL COORDINATES**

| | 27 | 28 | 30 | |
|---|---|---|---|---|
| Lat. | 563947.64 | 563950.39 | 563952.63 | N |
| Dep. | 220216.98 | 220214.73 | 220221.82 | E |
| R.L. | - 220.00 | - 219.97 | - 220.01 | |

| DATE | CELL 27 µε | Gauge Pressure | | Settlement | CELL 28 µε | Gauge Pressure (kPa) | | Settlement | CELL 30 µε | Gauge Pressure (kPa) | | Settlement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17-7-1980 | 2525 | 58.5 | | | 2555 | 59.0 | | | 2504 | 58.5 | | |
| 17-7-1980 | 2558 | 58.5 | | | 2569 | 59.0 | | O | 2512 | 58.5 | | |
| 17-7-1980 | 2564 | 57.5 | | O | 2420 | 56.5 | | | 2514 | 56.5 | | O |
| 18-7-1980 | 2557 | 57.5 | | | 2436 | 56.5 | | | 2512 | 56.5 | | |
| 21-7-1980 | 2538 | 56.5 | | | 2053 | 49.5 | | | 2509 | 56.5 | | |
| 22-7-1980 | 2536 | 56.5 | | | 1910 | 46.3 | | | 2498 | 56.5 | | |
| 23-7-1980 | 2333 | 53.5 | | | 2296 | 53 | | | 2318 | 51.5 | | |
| 24-7-1980 | 2333 | 52.5 | | | 2154 | 50.5 | | | 2310 | 52.5 | | |
| 25-7-1980 | 2331 | 52.5 | | | 1967 | 47.5 | | | 2307 | 52.5 | | |
| 28-7-1980 | 2334 | 52.5 | | | 1786 | 43.5 | | | 2309 | 52.5 | | |
| 29-7-1980 | 2332 | 52.5 | | | 1486 | 37.5 | | | 2306 | 52.5 | | |
| 30-7-1980 | 2334 | 52.5 | | | 1360 | 35.0 | | | 2302 | 52.5 | | |
| 31-7-1980 | 2332 | 52.5 | | | 1330 | 34.5 | | | 2298 | 52.5 | | |
| 1-8-1980 | 2336 | 53.0 | | | 0164 | 10.5 | | | 2295 | 52.5 | | |
| 4-8-1980 | 2345 | 53.5 | | | 1881 | 45.5 | | | 1917 | 46.5 | | |
| 5-8-1980 | 2350 | 53.5 | | | 1887 | 45.5 | | | 1918 | 45.5 | | |
| 6-8-1980 | 2350 | 53.5 | | | 1880 | 45.5 | | | 1930 | 45.5 | | |
| 7-8-1980 | 2350 | 53.5 | | | 1880 | 45.5 | | | 1916 | 45.5 | | |
| 8-8-1980 | 2541 | 58.0 | Cells refilled! | | 2573 | 58.0 | $\Delta z = +7\mu\varepsilon$ | | 2518 | 58.0 | | |
| 11-8-1980 | 2549 | 58.0 | | | 2543 | 58.0 | | | 2526 | 58.0 | $\Delta z = +12\mu\varepsilon$ | |
| 12-8-1980 | 2550 | 58.0 | $\Delta z = 14\mu\varepsilon$ | | 2534 | 58.0 | | | 2525 | 58.0 | | |
| 13-8-1980 | 2545 | 58.0 | | | 2523 | 58.0 | | | 2521 | 58.0 | | |
| 14-8-1980 | 2519 | 58.0 | | | 2540 | 58.0 | | | 2511 | 58.0 | | |
| 15-8-1980 | 2542 | 57.5 | | | 2509 | 57.5 | | | 2512 | 57.5 | | |
| 18-8-1980 | 2548 | 57.5 | | | 2490 | 57.5 | | | 2520 | 57.5 | | |
| 19-8-1980 | 2547 | 57.5 | | | 2482 | 57.5 | | | 2519 | 57.5 | | |
| 20-8-1980 | 2546 | 57.5 | | | 2479 | 57.5 | | | 2521 | 57.5 | | |
| 21-8-1980 | 2549 | 58.5 | Cells refilled | | 2583 | 58.5 | $\Delta z = +14\mu\varepsilon$ | | 2529 | 58.5 | $\Delta z = +15\mu\varepsilon$ | |
| 22-8-1980 | 2554 | 58.5 | $\Delta z = 10\mu\varepsilon$ | | 2580 | 58.5 | | | 2529 | 58.5 | | |
| 25-8-1980 | 2554 | 58.5 | | | 2566 | 58.5 | | | 2528 | 58.5 | | |
| 26-8-1980 | 2549 | 58.5 | | | 2554 | 58.5 | | | 2521 | 58.5 | | |
| 27-8-1980 | 2550 | 58.5 | | | 2550 | 58.5 | | | 2524 | 58.5 | | |
| 28-8-1980 | 2548 | 58.5 | | | 2547 | 58.5 | | | 2523 | 58.0 | | |
| 29-8-1980 | 2545 | 58.5 | | | 2542 | 58.5 | | | 2522 | 58.0 | | |
| 1-9-1980 | 2548 | 58.5 | | | 2528 | 58.5 | | | 2522 | 58.5 | | |
| 3-9-1980 | 2552 | 57.5 | | | 2528 | 57.5 | | | 2523 | 57.5 | | |
| 4-9-1980 | 2550 | 57.5 | | | 2522 | 57.5 | | | 2520 | 57.5 | | |
| 5-9-1980 | 2546 | 57.5 | | | 2518 | 57.5 | | | 2518 | 57.5 | | |
| 8-9-1980 | 2550 | 58.5 | | | 2510 | 58.0 | | | 2522 | 58.0 | | |
| 9-9-80 | 2548 | 58.0 | | | 2504 | 58.0 | | | 2518 | 58.0 | | |
| 10-9-80 | 2550 | 57.5 | | | 2506 | 57.5 | | | 2524 | 57.5 | | |
| 11-9-80 | 2548 | 57.5 | | | 2500 | 57.5 | | | 2521 | 57.5 | | |
| 12-9-80 | 2550 | 57.0 | | | 2502 | 57.0 | | | 2522 | 57.0 | | |
| 15-9-80 | 2544 | 58.0 | | | 2494 | 57.5 | | | 2518 | 57.5 | | |
| 16-9-80 | 2548 | 57.0 | | | 2498 | 57.0 | | | 2517 | 56.5 | | |
| 17-9-80 | 2552 | 57.5 | | | 2504 | 57.5 | | | 2524 | 57.5 | | |
| 18-9-80 | 2546 | 57.0 | | | 2496 | 57.0 | | | 2520 | 57.0 | | |
| 19-9-80 | 2543 | 57.5 | | | 2495 | 57.5 | | | 2515 | 57.5 | | |
| 22-9-80 | 2542 | 57.0 | | | 2496 | 57.0 | | | 2517 | 57.0 | | |
| 23-9-80 | 2544 | 58.0 | Cells refilled | | 2567 | 58.0 | | | 2523 | 58.0 | | |
| 24-9-80 | 2554 | (58.0) | $\Delta z = -19\mu\varepsilon$ | | 2568 | 58.0 | $\Delta z = -7\mu\varepsilon$ | | 2536 | 58.0 | $\Delta z = +26\mu\varepsilon$ | |
| 25-9-80 | 2553 | 57.5 | | | 2566 | 57.5 | | | 2526 | 57.5 | | |
| 26-9-80 | 2553 | 57.5 | | | 2564 | 57.5 | | | 2525 | 57.5 | | |