

0374\_3191

5 cm

Leave 7 till UCS returned from C.S.I.R.O

HOLE 21

## POTTS STRESS METER

INSTALLATION N° 7

DATE 20.11.79

LOCATION 0.16 -100m Level

UNIT ?

CELL

CABLE LENGTH 60 m

East

GAUGE FACTOR 1.93

North

ZERO STRESS READING 2.33  $\mu\epsilon$ 

R.L.

6.70 m. from Collar

ROCK TYPE

Upper C. pgh/bh. boundary

HOLE 21 bearing

MODULUS

GPa

inclination

SENSITIVITY

0.012 MPa/ $\mu\epsilon$   $\mu\epsilon$ /MPa

COLLAR

East

ORIENTATION

Horiz

North

INITIAL STRESS

7.6 MPa MPa

R.L.

| Date     | Day         | Reading<br>µε | Δ Stress<br>MPa | Stress<br>MPa | Remarks           | Date     | Day  | Reading<br>µε | Δ Stress<br>MPa | Stress<br>MPa | Remarks               |
|----------|-------------|---------------|-----------------|---------------|-------------------|----------|------|---------------|-----------------|---------------|-----------------------|
| 20 11 79 | 2352 (1432) | 1350          |                 | 7.6           |                   | 18/8/80  | 2624 | 590           | -9.12           | -1.52         |                       |
| 20 11 79 | 2352 (1433) | 1325          | -0.3            | 7.3           |                   | 25/8/80  | 2631 | 590           | -9.12           | -1.52         |                       |
| 20 11 79 | 2352 (1523) | 1250          | -1.2            | 6.4           |                   | 1/9/80   | 2638 | 580           | -9.24           | -1.64         |                       |
| 20 11 79 | 2352 (1725) | 1214          | -1.6            | 6.0           |                   | 8/9/80   | 2645 | 566           | -9.41           | -1.81         |                       |
| 21 11 79 | 2353 (0850) | 1153          | -2.4            | 5.2           |                   | 15/9/80  | 2652 | 572           | -9.34           | -1.74         | 110 kPa masonry in    |
| 21 11 79 | 2353 (1050) | 1161          | -2.3            | 5.3           |                   | 24/9/80  | 2661 | 598           | -9.02           | -1.42         |                       |
| 22 11 79 | 2354        | 1117          | -2.8            | 4.8           |                   | 29/9/80  | 2666 | 612           | -8.86           | -1.26         |                       |
| 23 11 79 | 2355        | 1100          | -3.0            | 4.6           |                   | 15/10/80 | 2682 | 624           | -8.71           | -1.11         |                       |
| 28 11 79 | 2360        | 1086          | -3.2            | 4.4           |                   | 21/10/80 | 2688 | 500           | -10.20          | -2.60         |                       |
| 29 11 79 | 2361        | 1086          | -3.2            | 4.4           |                   | 28/10/80 | 2695 | 506           | -10.13          | -2.53         |                       |
| 1 12 79  | 2363        | 1087          | -3.2            | 4.4           |                   | 4/11/80  | 2702 | 520           | -9.96           | -2.36         |                       |
| 2 12 79  | 2365        | 1070          | -3.4            | 4.2           |                   | 11/11/80 | 2709 | 508           | -10.10          | -2.50         |                       |
| 4 12 79  | 2366        | 1071          | -3.4            | 4.2           |                   | 17/11/80 | 2715 | 504           | -10.15          | -2.55         |                       |
| 12 12 79 | 2374        | 1033          | -3.8            | 3.8           |                   | 25/11/80 | 2723 | 520           | -9.96           | -2.36         |                       |
| 13 12 79 | 2375        | 963           | -4.6            | 3.0           | placement of rock | 1/12/80  | 2729 | 500           | -10.20          | -2.60         |                       |
| 17 12 79 | 2379        | 927           | -5.2            | 2.4           |                   | 8/12/80  | 2736 | 506           | -10.13          | -2.53         |                       |
| 17 12 79 | 2383        | 926           | -5.2            | 2.4           |                   | 15/12/80 | 2743 | 522           | -9.94           | -2.34         |                       |
| 4 01 80  | 2397        | 934           | -5.0            | 2.6           |                   | 22/12/80 | 2750 | 492           | -10.30          | -2.70         | filled in the area    |
| 14 01 80 | 2407        | 958           | -4.7            | 2.9           |                   | 29/12/80 | 2757 | 510           | -10.08          | -2.48         |                       |
| 18 01 80 | 2411        | 966           | -4.8            | 2.8           |                   | 5/1/81   | 2764 | 478           | -10.46          | -2.86         |                       |
| 31 01 80 | 2414        | 957           | -4.7            | 2.9           |                   | 14/1/81  | 2771 | 498           | -10.22          | -2.62         |                       |
| 4 02 80  | 2418        | 965           | -4.6            | 3.0           |                   | 23/3/81  | 2841 | 540           | -9.72           | -2.12         | ROCKFALL IN AREA - NO |
| 1 02 80  | 2423        | 982           | -4.4            | 3.2           |                   | 30/3/81  | 2848 | 522           | -9.94           | -2.34         | READINGS PREVIOUSLY   |
| 20 02 80 |             | 979           | -4.4            | 3.2           |                   | 6/4/81   | 2855 | 580           | -9.24           | -1.64         | UNTIL 23/3/81         |
| 0        |             |               |                 | 3.4           |                   | 13/4/81  | 2862 | 565           | -9.42           | -1.82         |                       |
| 21 02 80 | 2474        | 1013          | -4.0            | 3.6           |                   | 21/4/81  | 2869 | 553           | -9.56           | -1.96         |                       |
|          |             |               |                 | 4.0           |                   | 27/4/81  | 2876 | 532           | -9.81           | -2.21         |                       |
|          |             |               |                 | 3.8           |                   | 4/5/81   | 2883 | 548           | -9.62           | -2.02         |                       |
|          |             |               |                 | 2.3           |                   | 11/5/81  | 2890 | 542           | -9.69           | -2.09         |                       |
| 08 05 80 | 2522        | 827           | -6.0            | 1.6           |                   | 18/5/81  | 2897 | 540           | -9.72           | -2.12         |                       |
| 04 06 80 | 2543        | 644           | -8.5            | -0.9          |                   | 25/5/81  | 2904 | 568           | -9.38           | -1.78         |                       |
| 25 06 80 | 2570        | 560           | -9.72           | -2.12         | *incorrect        | 1/6/81   | 2911 | 590           | -9.02           | -1.52         |                       |
| 1 7 80   | 2576        | 542           | -9.34           | -1.74         |                   | 19/6/81  | 2929 | 558           | -9.5            | -1.09         |                       |
|          |             |               |                 |               |                   | 29/6/81  | 2939 | 530           | -9.84           | -2.24         | Drop of 4.8 MPa       |
|          |             |               |                 |               |                   | 6/7/81   | 2946 | 522           | -9.94           | -2.34         | during June 1-19      |
|          |             |               |                 |               |                   | 13/7/81  | 2953 | 575           | -9.30           | -1.70         |                       |
|          |             |               |                 |               |                   | 20/7/81  | 2960 | 558           | -9.50           | -1.90         |                       |