CURRAGH RESOURCES INC.
file: PAGETEST
13-Feb-92

| | | |
|---|---|---|
| TARGET SF | | |
| B9 1.5 | | |
| PAN LEN (ft) | PIL HT (ft) | PIL HT (m) |
| 40.0 | 20.0 | 6.10 |
| PAN WID (ft) | DEPTH (ft=PSI) | V STRESS (MPa) |
| 20.0 | 800 | 5.5 |
| DFT WID (ft) | ORE DIP (deg) | DIP (RAD) |
| 16.0 | 20.0 | 0.3491 |
| R MASS STR (MPa) | INSITU LD (PSI) | INSITU LD (MPa) |
| 54.0 | 893.58 | 6.1626 |

| ITERATION NUMBER | PIL WID ft | LD AREA (sq ft) | PIL AREA (sq ft) | PIL STRESS (MPa) | EFF WID (ft) | PIL STR (MPa) | SAFE FACT | EXTRACT (%) | LD AREA (sq m) | PIL AREA (sq m) | PIL PER (ft) | PIL PER (m) | WIDTH TEST | d WID (m) | EFF WID (m) | PIL WID (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INIT RANGE | J9 | 2039 | 656 | 19.15 | 23.3 | 40.57 | Q9 | 67.8% | 189.39 | 60.96 | 112.8 | 34.38 | OK | 25.00 | 7.09 | 16.40 |
| | J10 | 1579 | 328 | 29.67 | 13.6 | 31.03 | Q10 | 79.2% | 146.72 | 30.48 | 96.4 | 29.38 | OK | -2.50 | 4.15 | 8.20 |
| ITERATION | | | | | | | | | | | | | | | | |
| 1 | 3.8 | 1809 | 492 | 22.65 | 18.8 | 36.49 | 1.61 | 72.8% | 168.06 | 45.72 | 104.6 | 31.88 | OK | 1.25 | 5.74 | 12.30 |
| 2 | 3.1 | 1694 | 410 | 25.46 | 16.3 | 33.98 | 1.33 | 75.8% | 157.39 | 38.10 | 100.5 | 30.63 | OK | -1.88 | 4.97 | 10.25 |
| 3 | 4.1 | 1866 | 533 | 21.57 | 20.0 | 37.61 | 1.74 | 71.4% | 173.39 | 49.53 | 106.7 | 32.51 | OK | 1.56 | 6.09 | 13.33 |
| 4 | 3.3 | 1723 | 431 | 24.66 | 17.0 | 34.64 | 1.41 | 75.0% | 160.06 | 40.00 | 101.5 | 30.95 | OK | -2.03 | 5.17 | 10.77 |
| 5 | 4.3 | 1909 | 564 | 20.87 | 20.8 | 38.41 | 1.84 | 70.5% | 177.39 | 52.39 | 108.2 | 32.98 | OK | 1.64 | 6.35 | 14.10 |
| 6 | 3.5 | 1759 | 456 | 23.76 | 17.8 | 35.44 | 1.49 | 74.1% | 163.39 | 42.39 | 102.8 | 31.34 | OK | -2.15 | 5.41 | 11.41 |
| 7 | 4.6 | 1956 | 597 | 20.19 | 21.7 | 39.22 | 1.94 | 69.5% | 181.73 | 55.48 | 109.9 | 33.49 | OK | 1.74 | 6.63 | 14.93 |
| 8 | 3.7 | 1796 | 483 | 22.91 | 18.6 | 36.23 | 1.58 | 73.1% | 166.89 | 44.89 | 104.2 | 31.75 | OK | -2.28 | 5.66 | 12.08 |
| 9 | 2.5 | 1587 | 334 | 29.30 | 13.8 | 31.26 | 1.07 | 79.0% | 147.47 | 31.02 | 96.7 | 29.47 | OK | -1.84 | 4.21 | 8.35 |
| 10 | 3.5 | 1756 | 455 | 23.81 | 17.7 | 35.39 | 1.49 | 74.1% | 163.18 | 42.24 | 102.7 | 31.31 | OK | 1.27 | 5.40 | 11.37 |
| 11 | 4.1 | 1873 | 538 | 21.45 | 20.1 | 37.74 | 1.76 | 71.3% | 174.04 | 49.99 | 106.9 | 32.58 | OK | 1.73 | 6.14 | 13.45 |
| 12 | 3.2 | 1714 | 424 | 24.89 | 16.8 | 34.45 | 1.38 | 75.2% | 159.26 | 39.43 | 101.2 | 30.85 | OK | -2.05 | 5.11 | 10.61 |
| 13 | 4.3 | 1903 | 559 | 20.98 | 20.7 | 38.28 | 1.82 | 70.6% | 176.75 | 51.93 | 107.9 | 32.90 | OK | 1.62 | 6.31 | 13.97 |
| 14 | 3.5 | 1754 | 453 | 23.87 | 17.6 | 35.34 | 1.48 | 74.2% | 162.95 | 42.07 | 102.6 | 31.29 | OK | -2.13 | 5.38 | 11.32 |
| 15 | 4.5 | 1950 | 593 | 20.28 | 21.6 | 39.11 | 1.93 | 69.6% | 181.13 | 55.05 | 109.6 | 33.42 | OK | 1.73 | 6.59 | 14.81 |
| 16 | 3.7 | 1791 | 479 | 23.03 | 18.4 | 36.12 | 1.57 | 73.2% | 166.40 | 44.54 | 104.0 | 31.69 | OK | -2.26 | 5.62 | 11.98 |

$W_1$ $W_2$ $SF_1$ $SF_2$.

$W_1$ $SF_1$

$W_2$ $SF_2$.

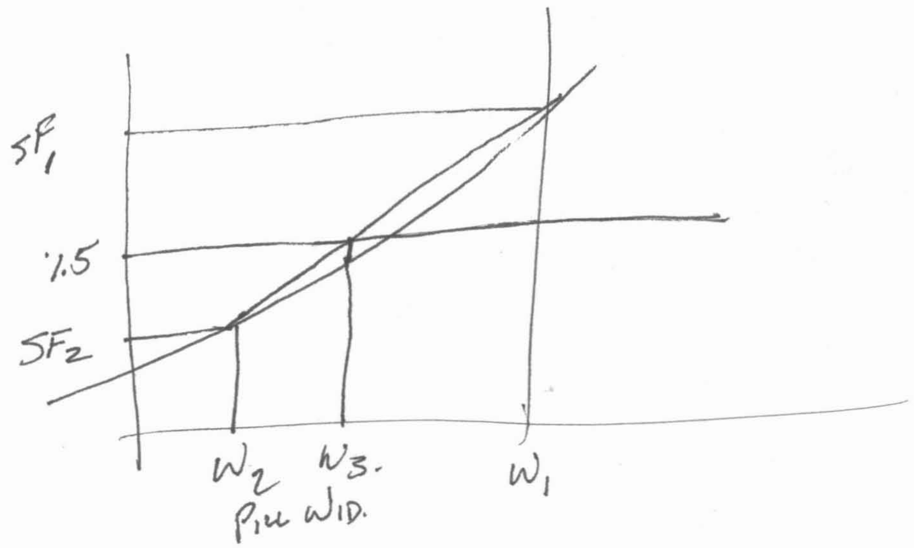
TARGET SF 1.3 START COND. W $SF_1 > 1.3$ & $SF_2 <$ <TARGETSF>

SAVE RANGE = $SF_1$

$$W_3 = W_2 - SF_2 \frac{W_2 - W_1}{SF_2 - SF_1}$$

IF

IF $SF_3 <$ <TARGETSF>



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\S         {GOTO}J9~{?}~                                    **ENTER INITIAL TEST PILLAR WIDTH
           {LET J10,+J9}                                    **COPY FIRST PILLAR TEST WIDTH TO SECOND PILLAR TEST
           {GOTO}B9~{?}~                                    **ENTER TARGET SAFETY FACTOR
           {LET CNTR1,0}                                    **RESET COUNTER
           {GOTO}AV16~
           {BRANCH I}
                           I8:  WID1 :       5
                           I9:  WID2 :     2.5
I          {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
             {QUIT}                                                **TEST VALUE OF TEST WIDTHS & STARTING T
                           Q8:  SFACT1 : 2.119         -0.280963               **ADVANCE COUNTER
                           Q9:  SFACT2 : 1.046                -1               **COPY SECOND PILLAR TEST WIDTH TO FIRST
\I         {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10**INCREMENT SECOND PILLAR TEST WIDTH
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10**RE-EVALUATE PILLAR TEST WIDTHS FOR ITE
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10**ITERATION COUNTER
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
           {IF ((+Q9-B9)*(+Q10-B9))>0}{LET CNTR1,CNTR1+1}{LET J9,+J10}{LET J10,(0.5*J9*(+B9-Q9)/@ABS(+B9-Q9))+J9}~
             {HOME}
             {QUIT}

  CNTR1            3
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