

067

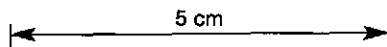
W41

|      |  |   |
|------|--|---|
|      | 0-6.0 m  | Precollar   |
|      | 6.00-9.76 m                                      | Lithic arenite, medium grained  |
|      | 9.76-11.50 m                                     | Mudstone, grey, banded (Base of Oxidation - 9.8 m)                                |
|      | 11.50-12.25 m                                    | Coal, dull, 2% bright, minor banding by calcite (parallel to bedding)             |
|      | 12.25-13.10 m                                    | Mudstone, carbonaceous  |
|      | 13.10-16.55 m                                    | Lithic arenite, grey, medium grained  |
| 2.85 | 16.55-19.40 m                                    | Coal, dull, 3% bright, 2 splits, calcite + red zeolite veins normal to bedding    |
|      | 19.40-22.75 m                                    | Mudstone, carbonaceous  |
| 7    | 22.75-23.45 m                                    | Coal, dull, 10% bright, calcite + red zeolite veins normal to bedding             |
|      | 23.45-24.95 m                                    | Mudstone, carbonaceous  |
| A 8  | 24.95-25.43 m                                    | Coal, dull, heavy <i>Mudstone, carbonaceous, with minor coalescences</i>          |
|      | 25.43-25.54 m                                    | Mudstone, carbonaceous  |
|      | 25.54-30.04 m                                    | Lithic arenite, grey/green, medium grained.                                       |
|      | 30.04-30.54 m                                    | Tuff, ? acid  |
|      | 30.54- <sup>35.83</sup> 36.78 m                  | Lithic arenite, grey/green, minor coaly debris                                    |
|      | <sup>35.83</sup> 36.78- <sup>36.15</sup> 36.93 m | <del>Coal, dull, 1% bright</del> <i>Mudstone, carbonaceous (? baked)</i>          |
|      | <sup>36.15</sup> 36.93-45.80 m                   | Lithic arenite, green, carbonaceous laminae                                       |
|      | 45.80-47.88 m                                    | Mudstone/siltstone, interbedded banded  |
|      | 47.88-49.40 m                                    | Mudstone, carbonaceous  |
| v-40 | 49.40-51.80 m                                    | Coal, dull, < 1% bright, possibly 2 splits, calcite + red zeolite veins           |
|      | 51.80-55.25 m                                    | Mudstone, carbonaceous  |
| 1    | 55.25-55.35 m                                    | Coal, dull, 15% bright, tr calcite veins  |
|      | 55.35-57.68 m                                    | Mudstone, carbonaceous  |
|      | 57.68-58.39 m                                    | Mudstone, grey  |
|      | 58.39-59.67 m                                    | Siltstone, grey   |
|      | 59.67-61.09 m                                    | Mudstone/siltstone interbedded, grey to carbonaceous, calcite veins ? ex dolerite |
|      | 61.09-67.68 m                                    | Dolerite (? sill)   |
|      | 67.68-68.68 m                                    | Siltstone, dark grey to black/carbonaceous  |
|      | 68.68-70.76 m                                    | Lithic arenite, grey, medium grained  |
|      | 70.76-73.00 m                                    | Mudstone, grey, banded  |
| 3    | 73.00-73.53 m                                    | Coal, dull, < 1% bright, minor calcite + red zeolite veins                        |
|      | 73.53-73.77 m                                    | Mudstone, grey (+ carbonaceous)   |
|      | 73.77-75.70 m                                    | Lithic arenite, grey/green, medium grained  |
|      | 75.70-76.50 m                                    | Mudstone, grey  |
|      |  | END OF HOLE 76.50 m   |

VICTOR EXPLORATION PTY. LTD.  
**MULTIPURPOSE DRILL HOLE LOG**

- 1 Sample recovery
- 2 Rock type
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- 4 Stratification
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Hole No. W 41 Sheet 1 of 4  
 From 0 To 23.80 m  
 Scale (s) 1:100  
 Logged by TGS / Jos 24/6/1997

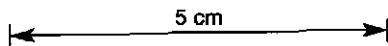


| 1     | 2          | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Comments  |
|-------|------------|---|---|---|---|---|---|---|----|----|----|---|
| 0     | PAE COLLAR |   |   |   |   |   |   |   |    |    |    |   |
| 6     |            |   |   |   |   |   |   |   |    |    |    |   |
| 8     | MW         |   |   |   |   |   |   |   |    |    |    | Lithic arenite  |
| 10    | MW         |   |   |   |   |   |   |   |    |    |    | BASE OF OXIDATION = 9.80 m.   |
| 11    | F          |   |   |   |   |   |   |   |    |    |    | Mudstone, grey, banded.   |
| 11.50 |            |   |   |   |   |   |   |   |    |    |    | Coal, dull - Dmb; 2% bright; calcite lenses 4% - 11.75m                         |
| 12    | F          |   |   |   |   |   |   |   |    |    |    | Coal, dull - Db; 21% bright   |
| 12.25 |            |   |   |   |   |   |   |   |    |    |    | Mudstone, carbonaceous  |
| 13.10 |            |   |   |   |   |   |   |   |    |    |    |   |
| 14    |            |   |   |   |   |   |   |   |    |    |    | Lithic arenite, grey  |
| 16.00 |            |   |   |   |   |   |   |   |    |    |    |   |
| 17.05 |            |   |   |   |   |   |   |   |    |    |    | Coal, dull - Dmb; 3% bright; calcite + red sandstone veins in joints            |
| 17.15 |            |   |   |   |   |   |   |   |    |    |    | Mudstone, grey. Coal, dull - Db; 20% bright; calcite + red sandstone            |
| 17.69 |            |   |   |   |   |   |   |   |    |    |    | Mudstone, grey. Mudstone, carbonaceous  |
| 18.04 |            |   |   |   |   |   |   |   |    |    |    |   |
| 18.25 |            |   |   |   |   |   |   |   |    |    |    |   |
| 19.30 |            |   |   |   |   |   |   |   |    |    |    | Coal, heavy dull - D; <5% bright 18.90 - 19.00m; calcite + red sandstone veins. |
| 20    |            |   |   |   |   |   |   |   |    |    |    |   |
| 22    |            |   |   |   |   |   |   |   |    |    |    | Mudstone, carbonaceous, fussy in part.  |
| 22.75 |            |   |   |   |   |   |   |   |    |    |    | Coal, dull - Dmb; 41% bright.   |

# VICTOR EXPLORATION PTY. LTD. MULTIPURPOSE DRILL HOLE LOG

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Hole No. W 41 Sheet 2 of 4  
 From 23.20 To 46.00 m  
 Scale (s) 1:100  
 Logged by T.G.S / J.S. 24/6/1982



|       |     | 1 | 2 | 3 | 4 | 5 | 6         | 7 | 8 | 9 | 10 | 11 | 12 | Comments   |
|-------|-----|---|---|---|---|---|-----------|---|---|---|----|----|----|--|
| 23.30 |     |   |   | F |   |   |           |   |   |   |    |    |    | Coal, dull - Dmb; a 10% bright   |
| 24    | 73  |   |   | F |   |   | 100% coal |   |   |   |    |    |    | Mudstone, carbonaceous; calcite + red scapolite veins<br>23.30 - 23.45m. |
| 24.45 |     |   |   |   |   |   |           |   |   |   |    |    |    | Mudstone, carbonaceous + gray; minor coal laminae                        |
| 25.45 |     |   |   |   |   |   |           |   |   |   |    |    |    | Mudstone, carbonaceous   |
| 26    |     |   |   | F |   |   |           |   |   |   |    |    |    | lithic arenite, gray/green   |
| 30    | 100 |   |   |   |   |   |           |   |   |   |    |    |    | ? Acid/intermediate tuff - cream, gray, pink, green, clayey              |
| 30.74 |     |   |   |   |   |   |           |   |   |   |    |    |    |  |
| 32    |     |   |   | F |   |   |           |   |   |   |    |    |    | lithic arenite, gray/green   |
| 34    | 100 |   |   |   |   |   |           |   |   |   |    |    |    |  |
| 36    |     |   |   |   |   |   |           | M |   |   |    |    |    | Mudstone, carbonaceous - ? baked / silicified                            |
| 38    |     |   |   |   |   |   |           |   |   |   |    |    |    |  |
| 40    |     |   |   |   |   |   |           |   |   |   |    |    |    |  |
| 42    | 100 |   |   | F |   |   |           |   |   |   |    |    |    | lithic arenite, green, carbonaceous laminae,<br>clay pellets             |
| 44    |     |   |   |   |   |   |           |   |   |   |    |    |    |  |
| 45.00 | 46  |   |   |   |   |   |           |   |   |   |    |    |    |  |

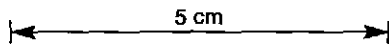
VICTOR EXPLORATION PTY. LTD.  
**MULTIPURPOSE DRILL HOLE LOG**

070

940072

- 1 Sample recovery
- 2 Rock type
- 3 Rock condition
- 4 Stratification
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Hole No. W 41 Sheet 3 of 4  
 From 46.00 To 69.00 m  
 Scale (x) 1:100  
 Logged by THC / JDS 24/6/1981



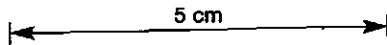
| 1     | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Comments   |
|-------|---|---|---|---|---|---|---|---|----|----|----|--|
|       |   |   |   |   |   |   |   |   |    |    |    | Mudstone/siltstone - interbedded; carbonaceous banding   |
| 48    |   |   |   |   |   |   |   |   |    |    |    | 47.88  |
|       |   | F |   |   |   |   |   |   |    |    |    | Mudstone, carbonaceous   |
| 49.40 |   |   |   |   |   |   |   |   |    |    |    | 49.40  |
| 50    |   |   |   |   |   |   |   |   |    |    |    | 49.85  |
| 50.30 |   |   |   |   |   |   |   |   |    |    |    | 50.30  |
| 50.70 |   |   |   |   |   |   |   |   |    |    |    | 50.70  |
| 51.10 |   |   |   |   |   |   |   |   |    |    |    | 51.10  |
| 51.45 |   |   |   |   |   |   |   |   |    |    |    | 51.45  |
| 51.70 |   |   |   |   |   |   |   |   |    |    |    | 51.70  |
| 57    |   | F |   |   |   |   |   |   |    |    |    | Mudstone, carbonaceous.  |
| 57.65 |   |   |   |   |   |   |   |   |    |    |    | 57.65  |
| 58.39 |   |   |   |   |   |   |   |   |    |    |    | 58.39  |
| 59.67 |   | F |   |   |   |   |   |   |    |    |    | Siltstone, gray.   |
| 60.59 |   |   |   |   |   |   |   |   |    |    |    | Mudstone, dr. gray   |
| 60.59 |   |   |   |   |   |   |   |   |    |    |    | Siltstone, sandy, gray.  |
| 60.59 |   |   |   |   |   |   |   |   |    |    |    | Mudstone, gray/black, contact metamorphosed  |
| 62    |   |   |   |   |   |   |   |   |    |    |    | 62   |
| 64    |   | F |   |   |   |   |   |   |    |    |    | Dolerite, pale green, fine grained; strongly jointed, numerous calcite joint in filling veins (Δ joints to 450). |
| 67.69 |   |   |   |   |   |   |   |   |    |    |    | 67.69  |
| 68    |   |   |   |   |   |   |   |   |    |    |    | 68.00  |
| 68.43 |   |   |   |   |   |   |   |   |    |    |    | Lithic arenite, dr. gray, calcite veins  |
| 68.68 |   |   |   |   |   |   |   |   |    |    |    | 68.68  |
|       |   |   |   |   |   |   |   |   |    |    |    | Lithic arenite, dr. gray   |

VICTOR EXPLORATION PTY. LTD.  
**MULTIPURPOSE DRILL HOLE LOG**

940073

071

- 1 Sample recovery
- 2 Rock type
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- 7
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- 9
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- 12



Hole No. W 41 Sheet 4 of 4  
 From 69.00 To 76.50 m  
 Scale (s) 1:100  
 Logged by TLS/JCS 24/6/1981

|       |     | 1 | 2 | 3 | 4 | 5 | 6     | 7 | 8 | 9 | 10 | 11 | 12 | Comments  |
|-------|-----|---|---|---|---|---|-------|---|---|---|----|----|----|---|
| 70    |     |   | F |   |   |   |       |   |   |   |    |    |    | lithic arenite, dk. gray.                             |
| 70.76 |     |   |   |   |   |   |       |   |   |   |    |    |    | Mudstone, gray, minor carbonaceous                    |
| 72    | 100 |   |   |   |   |   |       |   |   |   |    |    |    |   |
| 73.00 |     |   |   |   |   |   | <br>M |   |   |   |    |    |    | Coal, heavy dull -D; 2.9.6 mht. calcite + red arenite |
| 73.53 |     |   |   |   |   |   |       |   |   |   |    |    |    | Mudstone, gray  |
| 74    |     |   | F |   |   |   |       |   |   |   |    |    |    | lithic arenite, gray.                                 |
| 75    |     |   |   |   |   |   |       |   |   |   |    |    |    | Mudstone, gray.                                       |
| 75.70 |     |   |   |   |   |   |       |   |   |   |    |    |    |   |
| 76    |     |   |   |   |   |   |       |   |   |   |    |    |    |   |
| 76.50 |     |   |   |   |   |   |       |   |   |   |    |    |    | ROM - 76.50 m   |