

**FOLDER 4**

Bureau of Mineral Resources, Geology and Geophysics

OPEN CUT COAL INVESTIGATIONS IN NEW SOUTH WALES

CESSNOCK MUSWELLBROOK REGION

HOWICK AREA REPORT

Records 1953/47

Folder 4.

Graphic logs of Scout and/or Test  
Boreholes in the Farrell's Creek,  
Pond's Creek, and Jerry's Plains  
Subareas.

Graphic log of BMR S1 State Mine  
Reserve Ravensworth.

# COAL SEAMS INTERSECTED IN SCOUT AND TEST BOREHOLES Farrell's Creek, Pond's Creek, Jerry's Plains Subareas and Ravensworth State Mine Reserve

## B O R E H O L E N U M B E R S

| S E A M S          | B O R E N U M B E R S         |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
|--------------------|-------------------------------|---|---|---|---|---|---|-------------------------|----|----|---|---|---|---|---|--------------------------|---|----|---|---|---|---|---|---|---|----|---|----|---|----|----------------------------------|----|----|----|----|----|----|----|----|
|                    | Farrell's Ck.<br>Area (Scout) |   |   |   |   |   |   | Pond's Ck. Area (Scout) |    |    |   |   |   |   |   | Pond's Creek Area (Test) |   |    |   |   |   |   |   |   |   |    |   |    |   |    | Jerry's Ravens-<br>Plains. worth |    |    |    |    |    |    |    |    |
|                    | 1                             | 2 | 3 | 4 | 5 | 6 | 7 | 1                       | 1  | 2  | 2 | 3 | 3 | 4 | 5 | 6                        | 7 | 8  | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7  | 8 | 8  | 9 | 10 | 11                               | 12 | 13 | 14 | 15 | 15 | 16 | 1S | 1S |
|                    |                               |   |   |   |   |   |   | SR                      | SR | SR |   |   |   |   |   |                          |   | SR |   |   |   |   |   |   |   |    |   | TR |   |    |                                  |    |    |    |    |    | TR |    |    |
| Seam Z             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Upper Y Seam       |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Middle Y Seam      |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Lower Y Seam       |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| L. Bayswater Seam  |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam X'            |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam X             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam W             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam V             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam R             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Farrell's Ck. Seam |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam Q             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam P             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam O             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam N             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam L             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam J             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam JG            |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam G             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam E             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam D             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam C             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam B             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Seam A             |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Fike's Gully Seam  |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| U. Artic's Seam    |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| M. Artic's Seam    |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| Artic's Seam       |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| U. Liddell Seam    |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   |    |   |    |   |    |                                  |    |    |    |    |    |    |    |    |
| M. Liddell Seam    |                               |   |   |   |   |   |   |                         |    |    |   |   |   |   |   |                          |   |    |   |   |   |   |   |   |   | </ |   |    |   |    |                                  |    |    |    |    |    |    |    |    |

● Analysed coal sample

□ Coal, not analysed

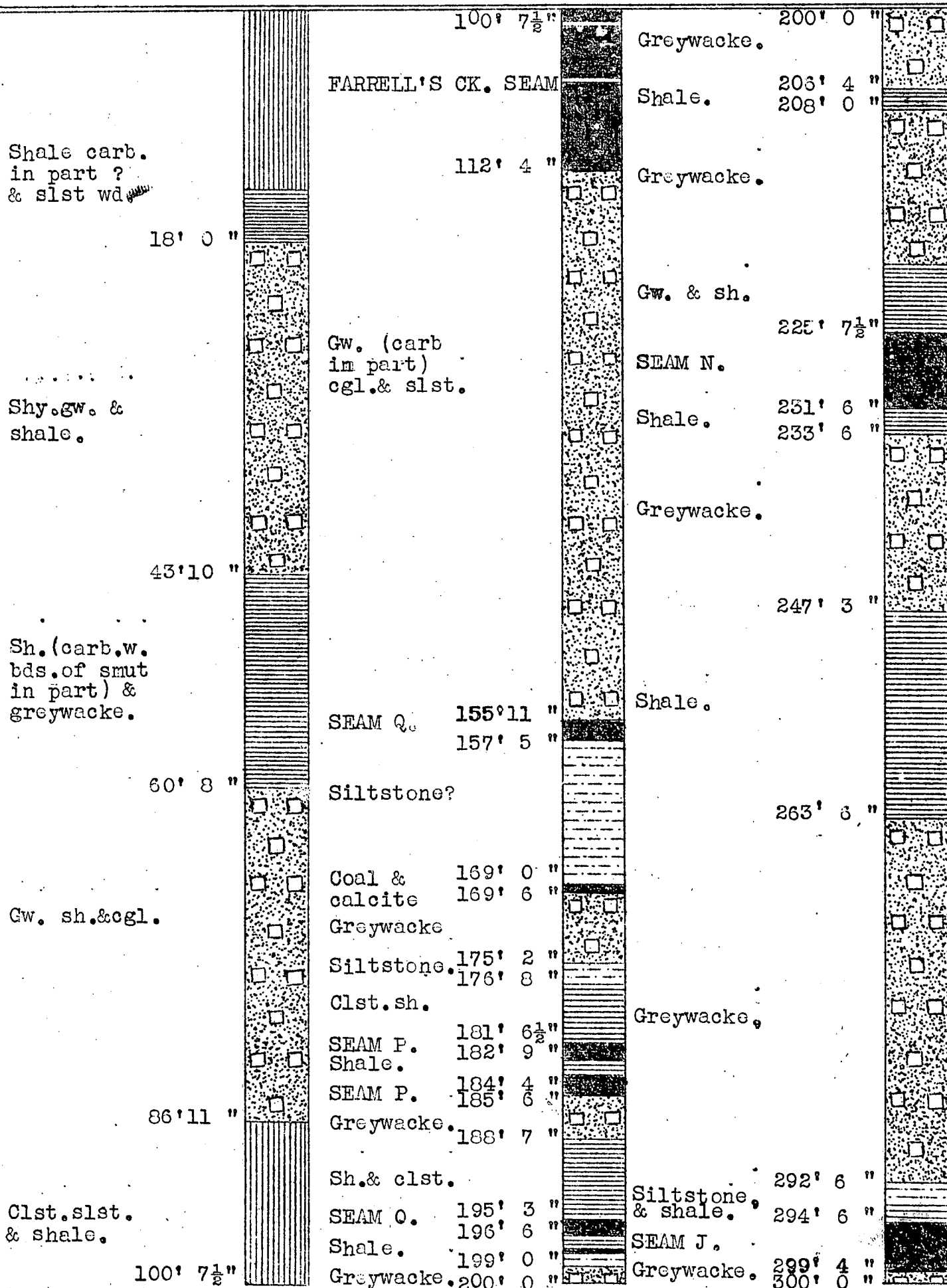
FARRELL'S CREEK SUBAREA.

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek Hole No: BMR 1&6(S) Elevation: 445.0' ASL  
 Reference: BMR Map N14/110, June, 1953 Datum: Standard  
 Begun: 28.8.52 Finished: 3.11.52 Depth: 864' 11"

STRATIGRAPHIC LOG (1"-10')



## COMMONWEALTH OF AUSTRALIA.

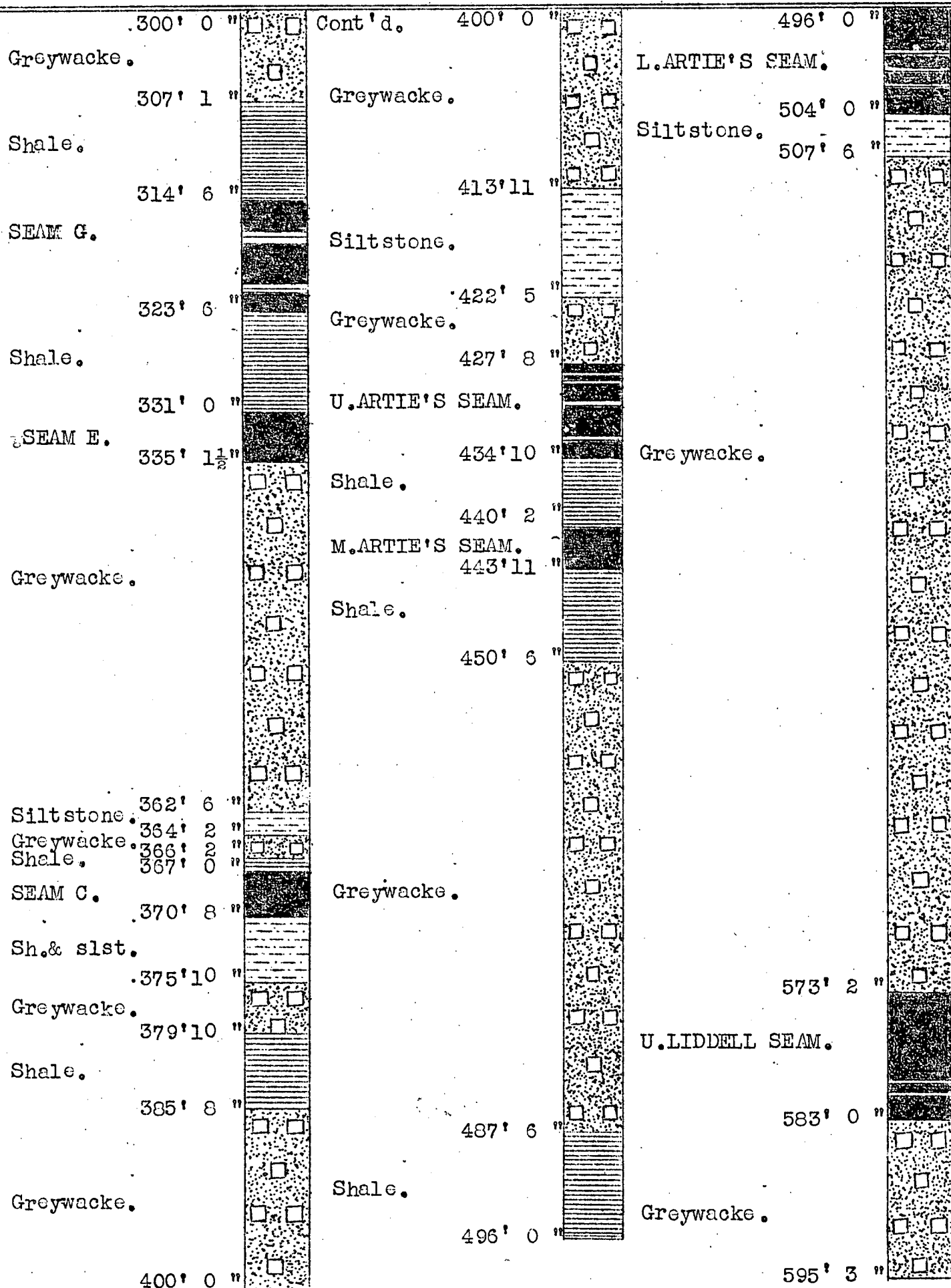
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## STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA

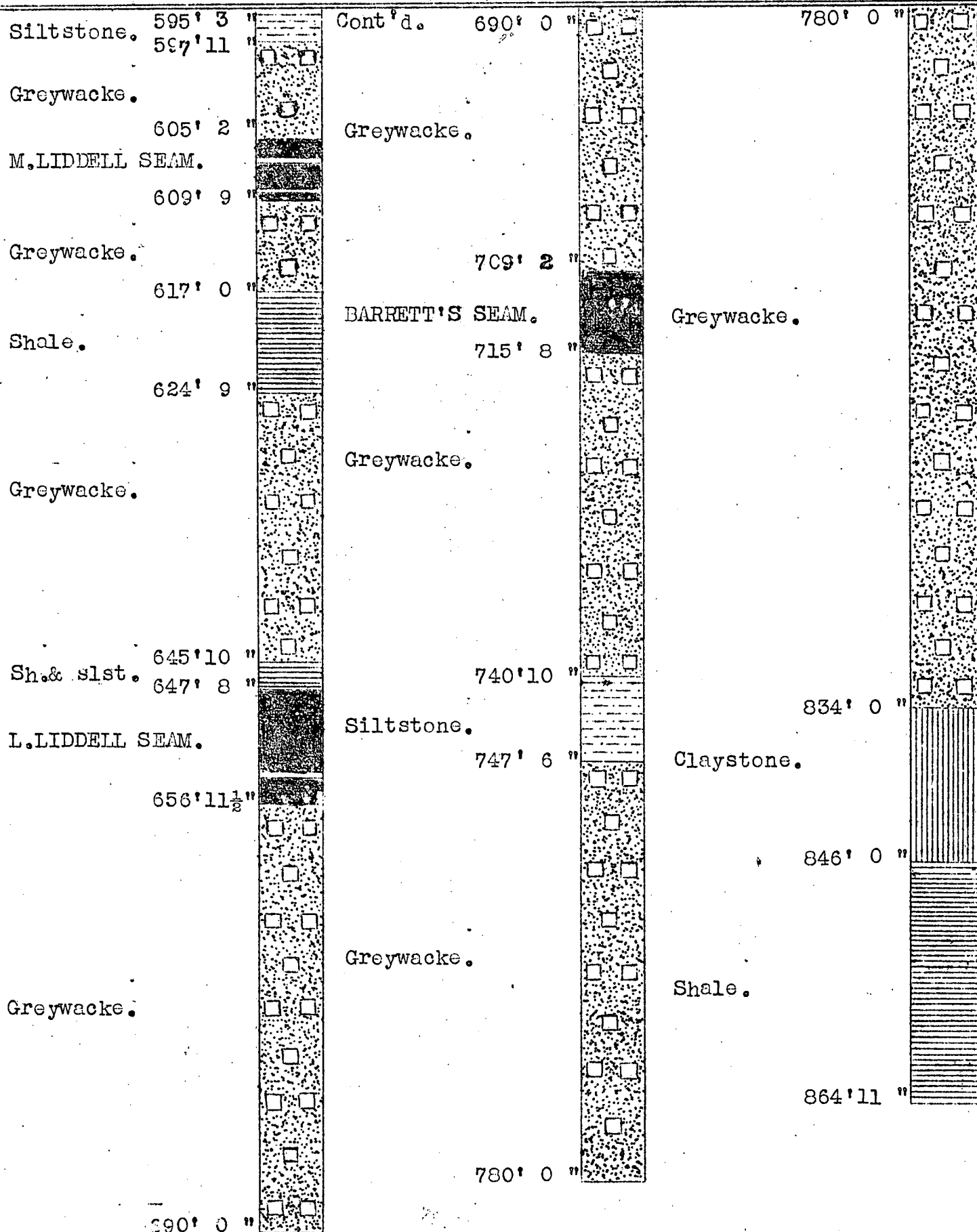
Bureau of Mineral Resources, Geology and Geophysics

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STRATIGRAPHIC LOG (1"-10")



## Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek

Hole No: BMR 1&amp;6(S) Elevation: 445.0' ASL

Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 28.8.52

Finished: 3.11.52

Depth: 864' 11"

## COAL DETAIL (1"-2')

|                           |           |  |                           |          |
|---------------------------|-----------|--|---------------------------|----------|
| Coal mainly dull.         | .100' 7½" |  | Coal mostly bright.       | 195' 3"  |
| HM. V: FC: Ash BTNU.      |           |  |                           |          |
| 3.4 29.7 44.7 22.2 10.530 |           |  |                           |          |
| Coal dull & brt.bdd.      | No.1      |  |                           | 196' 6"  |
| cleated.                  | 102' 9"   |  |                           |          |
|                           |           |  | Coal bright.              | 225' 7½" |
|                           |           |  |                           | 226' 7"  |
|                           |           |  |                           | 226' 8"  |
|                           |           |  | 3.2 31.6 43.9 21.3 11.000 |          |
|                           | 105' 4½"  |  | Coal bright, fragmentary  |          |
| 3.1 28.3 51.6 17.0 11.380 |           |  | to shattered, cleated.    | No.5     |
| Coal mainly dull broken   |           |  |                           |          |
| in part w. occasional     | No.2      |  |                           |          |
| lam. & bds: brt. & w.R.   |           |  |                           |          |
| dk.br.slst.bd. (not       |           |  |                           |          |
| greater than ½")          |           |  |                           |          |
|                           | 108' 3"   |  | ? Weathered.              | 231' 3"  |
| 3.5 27.9 55.7 12.9 11.980 |           |  |                           | 231' 6"  |
| As above                  | No.3      |  |                           | 295' 7"  |
|                           |           |  | 3.2 29.7 43.6 23.5 10.730 |          |
|                           |           |  | Coal mostly bright, dull  |          |
|                           | 111' 1½"  |  | & shy. in two small bds.  | No.6     |
|                           | 111' 3"   |  |                           | 297' 5"  |
| 3.3 28.2 46.4 22.1 10.630 |           |  | 3.0 31.3 44.1 21.1 11.140 |          |
| Coal brt. & dull bdd.     | No.4      |  | As above                  | No.7     |
| shattered.                | 112' 4"   |  |                           |          |
|                           | 155' 11"  |  |                           | 299' 4"  |
| Coal dull, powdery brt.   |           |  |                           | 314' 6"  |
| w.bd.sh.at bottom.        |           |  | 3.0 25.8 35.5 35.7 --     |          |
|                           | 157' 5"   |  |                           |          |
|                           | 181' 6½"  |  | Coal bright.              | No.8     |
| Coal dull & brt.bdd. to   |           |  |                           |          |
| powdery intermixed w.     |           |  |                           | 317' 2"  |
| l.br. silty sh.           | 182' 9"   |  |                           | 317' 11" |
|                           |           |  | 3.1 25.1 36.0 35.8 --     |          |
|                           | 184' 6½"  |  | Coal bright.              | No.9     |
| Coal dull & brt. finely   |           |  |                           | 319' 5"  |
| bdd.w.R.gn.br.slst.bd.    | 185' 6"   |  | Coal, dull, soft, ?wd.    |          |
|                           |           |  |                           | 321' 1½" |

## Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek. Hole No: BMR 1&amp;6(S) Elevation: 445.0' ASL

Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 28.8.52

Finished: 3.11.52

Depth: 864' 11"

## COAL DETAIL (1"-2')

|                                                                     |              |  |                                             |               |
|---------------------------------------------------------------------|--------------|--|---------------------------------------------|---------------|
| <u>2.6 32.9 52.5 12.0 12,680</u>                                    | 331' 0 "     |  | Cont'd.<br><u>2.3 30.6 46.4 20.2 11,090</u> | 496' 0 "      |
| Coal mostly dull, fragmentary.                                      | No.10        |  | Coal dull w. brt. bds.                      | No.18.        |
|                                                                     |              |  |                                             | 497' 3 "      |
|                                                                     |              |  |                                             | 497' 3 1/2 "  |
| <u>2.6 30.8 45.4 21.2 11,260</u>                                    | 333' 1 "     |  | <u>1.8 30.9 47.3 20.0 11,340</u>            | No.19         |
| As above.                                                           | No.11        |  | Coal dull w. many brt. bands.               | 498' 9 1/2 "  |
|                                                                     |              |  |                                             | 499' 3 1/2 "  |
|                                                                     |              |  | Coal dull w. brt.bds.                       | 500' 3 1/2 "  |
|                                                                     |              |  |                                             | 500' 9 "      |
| <u>2.7 33.8 55.5 8.0 13,220</u>                                     | 335' 1 1/2 " |  | Coal bright.                                | 501' 6 "      |
| Coal mostly bright increasingly broken w. depth, finally shattered. | No.12        |  | As above.                                   | 501' 11 1/2 " |
| <u>2.8 35.5 52.6 9.1 13,120</u>                                     | 368' 11 "    |  |                                             |               |
| As above                                                            | No.13        |  |                                             | 504' 0 "      |
|                                                                     | 370' 8 "     |  |                                             |               |
| Coal bright.                                                        | 427' 8 "     |  |                                             | 573' 2 "      |
| Coal dull.                                                          | 428' 0 1/2 " |  | <u>2.3 37.6 53.4 6.7 13,730</u>             | No.20         |
|                                                                     | 428' 4 1/2 " |  | Coal bright.                                | 574' 2 "      |
| <u>2.7 26.0 37.8 33.5 --</u>                                        | 428' 7 "     |  | As above.                                   |               |
| Coal bright.                                                        | 428' 9 "     |  |                                             |               |
|                                                                     | No.14        |  |                                             |               |
|                                                                     | 430' 2 "     |  |                                             | 576' 2 "      |
|                                                                     | 430' 9 "     |  | <u>2.8 34.3 54.8 8.1 13,190</u>             | No.21         |
| Coal dull, soft ? wd.                                               |              |  | As above.                                   | 577' 9 "      |
|                                                                     | 432' 8 "     |  |                                             |               |
|                                                                     | 432' 10 "    |  | <u>2.5 34.0 47.7 15.8 12,140</u>            | No.22         |
| <u>2.4 31.2 44.5 21.9 10,940</u>                                    |              |  | Coal brt.soft ? wd.                         | 580' 0 "      |
| Coal bright.                                                        | No.15        |  |                                             |               |
|                                                                     | 434' 10 "    |  | Coal bright.                                |               |
|                                                                     | 440' 2 "     |  |                                             | 581' 6 "      |
| <u>2.4 33.3 56.6 7.7 13,310</u>                                     |              |  | <u>2.6 34.1 49.2 14.1 12,340</u>            | No.23         |
| Coal generally bright.                                              | No.16        |  | Coal bright.                                | 583' 0 "      |
| <u>2.5 35.6 57.1 4.8 13,880</u>                                     | 442' 0 "     |  |                                             |               |
| As above                                                            | No.17        |  |                                             |               |
|                                                                     | 443' 11 "    |  |                                             |               |

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek. Hole No: BMR 1&6(S) Elevation: 445.0' ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 28.8.52 Finished: 3.11.52 Depth: 864' 11"

COAL DETAIL (1"-2')

|                                  |                                            |                                                                 |
|----------------------------------|--------------------------------------------|-----------------------------------------------------------------|
| <p>2.3 34.0 45.9 17.8 11,810</p> | <p>605' 2"</p>                             |                                                                 |
| <p>① Coal mostly bright.</p>     | <p>No. 24</p>                              |                                                                 |
| <p>2.5 31.2 49.5 16.8 11,940</p> | <p>606' 10"<br/>607' 0 1/2"</p>            | <p>709' 2"<br/>2.2 36.6 48.9 12.3 12,730</p>                    |
| <p>As above</p>                  | <p>No. 25</p>                              | <p>Coal generally dull, w.<br/>a gray siltstone. No. 30</p>     |
| <p>Coal mostly dull.</p>         | <p>609' 1"<br/>609' 9"</p>                 | <p>711' 2"<br/>711' 3"<br/>2.5 28.9 45.7 22.9 11,050 No. 31</p> |
|                                  |                                            | <p>Coal bright. 712' 1"</p>                                     |
|                                  |                                            | <p>2.4 33.7 48.1 15.8 12,190<br/>As above. 713' 1"</p>          |
| <p>2.5 34.6 46.7 16.2 12,020</p> | <p>647' 8"</p>                             | <p>713' 5 1/2"<br/>2.6 31.1 50.0 16.3 12,080 No. 32</p>         |
| <p>① Coal brt. fragmentary.</p>  | <p>No. 26</p>                              | <p>Coal dull w.R.brt.bds. No. 33</p>                            |
|                                  |                                            | <p>715' 8"</p>                                                  |
| <p>2.8 29.1 36.8 31.3 9,300</p>  | <p>651' 0"</p>                             |                                                                 |
| <p>Coal, dull w.brt.bds.</p>     | <p>No. 27</p>                              |                                                                 |
| <p>2.7 34.0 45.9 17.4 11,810</p> | <p>653' 9"<br/>654' 5"<br/>654' 9 1/2"</p> | <p>No. 28</p>                                                   |
| <p>Coal mostly bright.</p>       |                                            |                                                                 |
| <p>2.4 34.3 49.1 14.2 12,450</p> |                                            |                                                                 |
| <p>As above.</p>                 | <p>No. 29</p>                              |                                                                 |
|                                  | <p>656' 11 1/2"</p>                        |                                                                 |

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek

Hole No: BMR 2&3(S) Elevation: 539.0' ASL

Reference: BMR Map N14/110, June, 1953

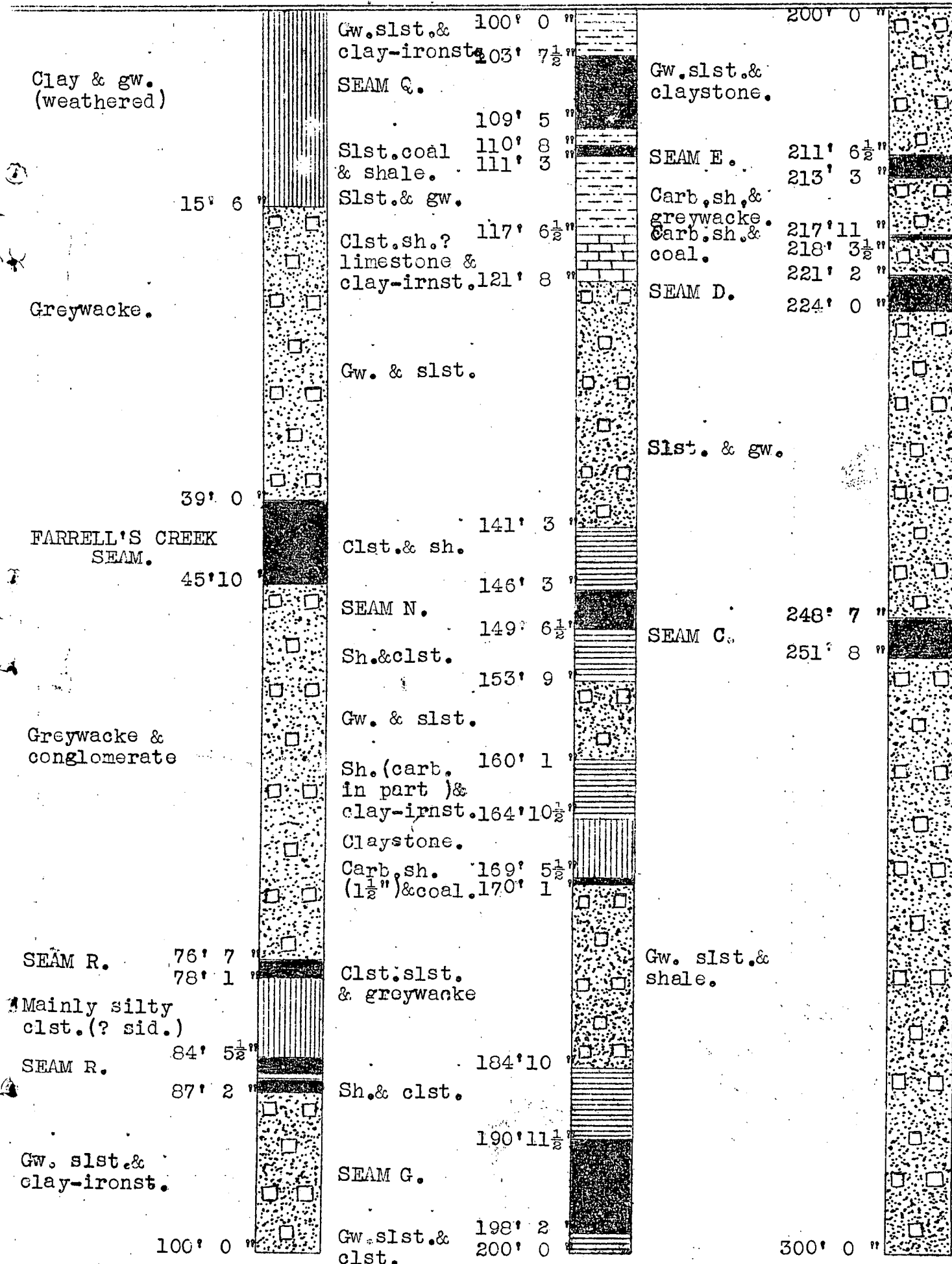
Datum: Standard

Begun: 29.8.52

Finished: 10.9.52

Depth: 552' 10"

STRATIGRAPHIC LOG (1"-10')



## 11

Area: Farrell's Creek. Hole No: BMR 2&3(S) Elevation: 539.0' ASL  
Reference: BMR Map N14/110, June, 1953 Datum: Standard  
Begun: 29.8.52 Finished: 10.9.52 Depth 552'10"

| Depth (ft) | Stratigraphic Unit  | Notes                  |
|------------|---------------------|------------------------|
| 300' 0"    | Continued           |                        |
| 389' 6"    |                     |                        |
| 480' 0"    |                     |                        |
|            |                     | Slst. & v. f. grd. gw. |
| 505' 7"    | LOWER LIDDELL SEAM. |                        |
| 511' 1"    | Shale.              |                        |
| 512' 5"    |                     |                        |
|            |                     | Greywacke.             |
| 448' 8"    | Shale.              |                        |
| 449' 11"   |                     |                        |
| 364' 0"    | UPPER LIDDELL SEAM. |                        |
|            |                     |                        |
|            | Shale.              | 460' 8"                |
|            | Greywacke.          | 463' 2"                |
|            | Clst. & sh.         | 466' 8"                |
|            |                     | 470' 2"                |
| 383' 0"    | MIDDLE LIDDELL S.   |                        |
|            |                     | 474' 1"                |
|            | Siltstone.          |                        |
| 389' 6"    |                     | 480' 0"                |
|            |                     | 552' 10"               |

## Bureau of Mineral Resources, Geology and Geophysics

Elevation: 539.0' ASL

Datum: Standard

Depth: 552' 10"

COAL DETAIL (1"-2')

[illegible]

|                                     |                    |                       |
|-------------------------------------|--------------------|-----------------------|
| Area: Farrell's Creek               | Hole No: 2 & 3 (S) | Elevation: 539.0' ASL |
| Reference: BMR Map N14/110, June 53 |                    | Datum: Standard       |
| Begun: 29.8.52                      | Finished: 10.9.52  | Depth: 552' 10"       |

| HM                                             | V    | FC   | Ash  | BThU  |             | HM                                | V    | FC   | Ash | BThU  |            |
|------------------------------------------------|------|------|------|-------|-------------|-----------------------------------|------|------|-----|-------|------------|
| 2.4                                            | 35.8 | 48.0 | 13.8 | 12390 | 364' 10"    | 2.1                               | 39.0 | 53.2 | 5.7 | 13830 | 449' 11"   |
| Coal bright broken to shattered.               |      |      |      |       | No. 16      | Coal mostly bright.               |      |      |     |       | No. 21     |
|                                                |      |      |      |       | 365' 3"     |                                   |      |      |     |       | 451' 3"    |
| 2.2                                            | 35.3 | 50.6 | 11.9 | 12700 | 366' 6"     | 2.3                               | 34.8 | 53.2 | 9.7 | 13030 | No. 22     |
|                                                |      |      |      |       | No. 18      | Coal mostly bright, friable ? wd. |      |      |     |       | 453' 0 1/2 |
| Coal mostly dull; slightly fissile.            |      |      |      |       | 368' 9"     | 2.1 39.7 53.3 4.9 13930           |      |      |     |       | No. 23     |
| Coal bright.                                   |      |      |      |       | 369' 11"    | Coal bright.                      |      |      |     |       | 455' 2"    |
| 2.4                                            | 38.3 | 53.4 | 5.9  | 13660 | No. 19      | 2.2 38.9 53.6 5.3 13840           |      |      |     |       | No. 24     |
| Coal mostly bright, broken, shattered in part. |      |      |      |       |             | As above.                         |      |      |     |       | 457' 3 1/2 |
|                                                |      |      |      |       | 372' 7"     | 2.2 37.9 51.1 8.8 13260           |      |      |     |       | 457' 8 1/2 |
| 2.5                                            | 31.9 | 48.2 | 17.4 | 11850 | 373' 2"     | as above.                         |      |      |     |       | No. 25     |
| Coal mostly bright, dull & shy. in two bands.  |      |      |      |       | No. 20      | 2.2 38.2 53.5 6.1 13660           |      |      |     |       | 459' 2"    |
|                                                |      |      |      |       | 375' 6"     | as above.                         |      |      |     |       | 459' 4"    |
|                                                |      |      |      |       | 375' 10 1/2 |                                   |      |      |     |       | No. 26     |
|                                                |      |      |      |       |             |                                   |      |      |     |       | 460' 8"    |
|                                                |      |      |      |       |             | 2.3 33.8 45.0 18.9 11650          |      |      |     |       | 470' 2"    |
|                                                |      |      |      |       |             | Coal bright.                      |      |      |     |       | No. 27     |
| Coal dull soft, ? weathered.                   |      |      |      |       |             |                                   |      |      |     |       | 472' 2"    |
|                                                |      |      |      |       |             | 2.2 31.6 48.4 17.8 11840          |      |      |     |       | 472' 7"    |
|                                                |      |      |      |       |             | Coal generally bright.            |      |      |     |       | No. 28     |
|                                                |      |      |      |       |             |                                   |      |      |     |       | 474' 1"    |
| 383' 0"                                        |      |      |      |       |             |                                   |      |      |     |       |            |

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics.

Area: Farrell's Creek      Hole No: 2 & 3 (S)      Elevation: 539.0' ASL  
Reference: BMR Map N14/110, June 53      Datum: Standard  
Begun: 29.8.52      Finished: 10.9.52      Depth: 552' 10"

COAL DETAIL (1"-2')

HM    V    FC    Ash   BThU

2.2 33.5 44.8 19.5 11530

Coal mostly bright,  
broken.

2.2 35.0 49.2 13.6 12460

As above.

505' 7"

No.29

508' 4"

No.30

511' 1"



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek. Hole No: BMR 4 (S) Elevation: 518.2' ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 16.9.52 Finished: 29.9.52 Depth: 68' 4 "

STRATIGRAPHIC LOG (1"-10')

Greywacke.

Shale.

Coal.

63' 4"  
67' 8"  
68' 4"



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek

Hole No: BMR 5(S)

Elevation: 518.2' ASL

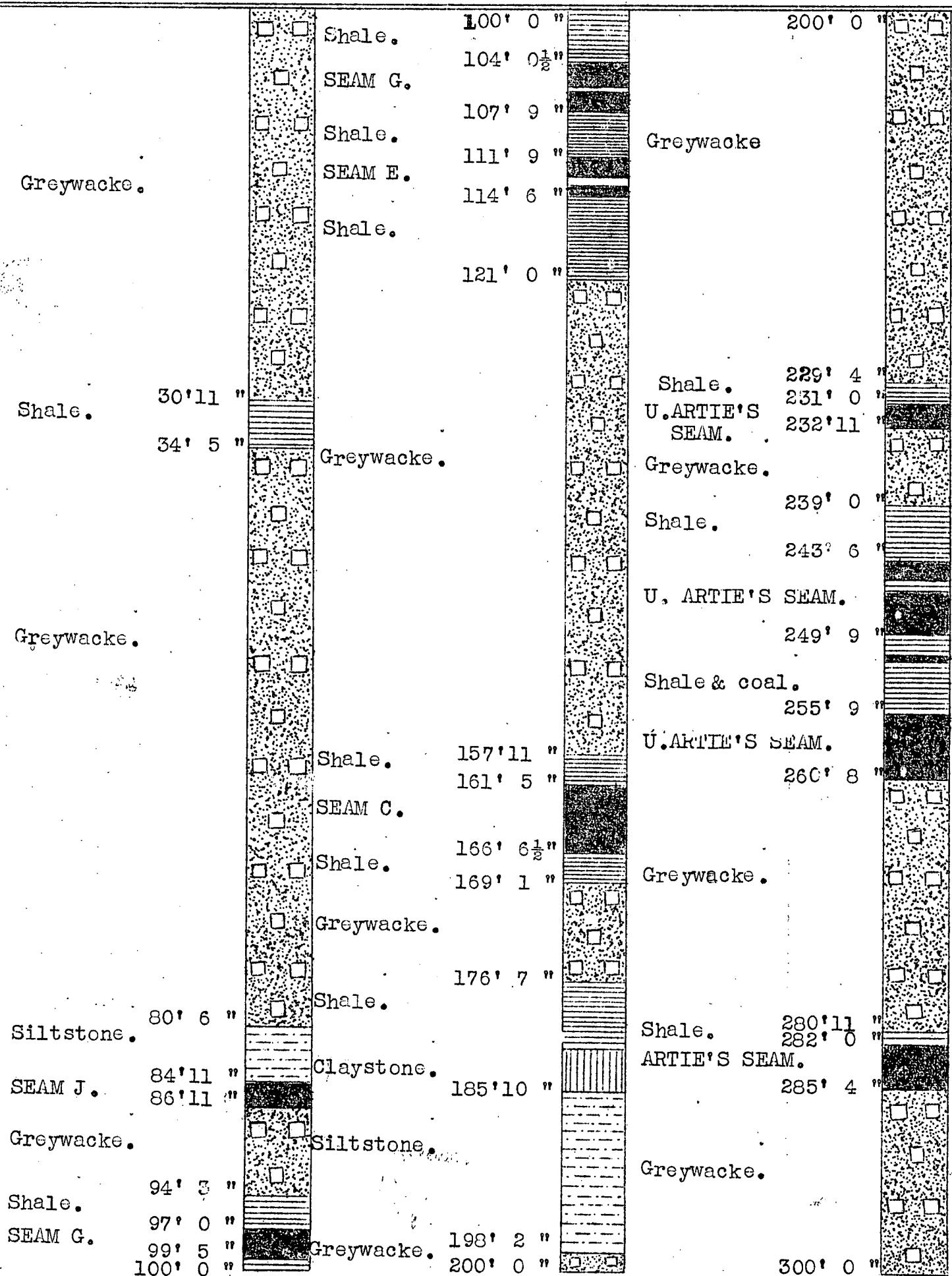
Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 29.9.52

Finished: 23.10.52 Depth: 503' 6 "

STRATIGRAPHIC LOG (1"-10')

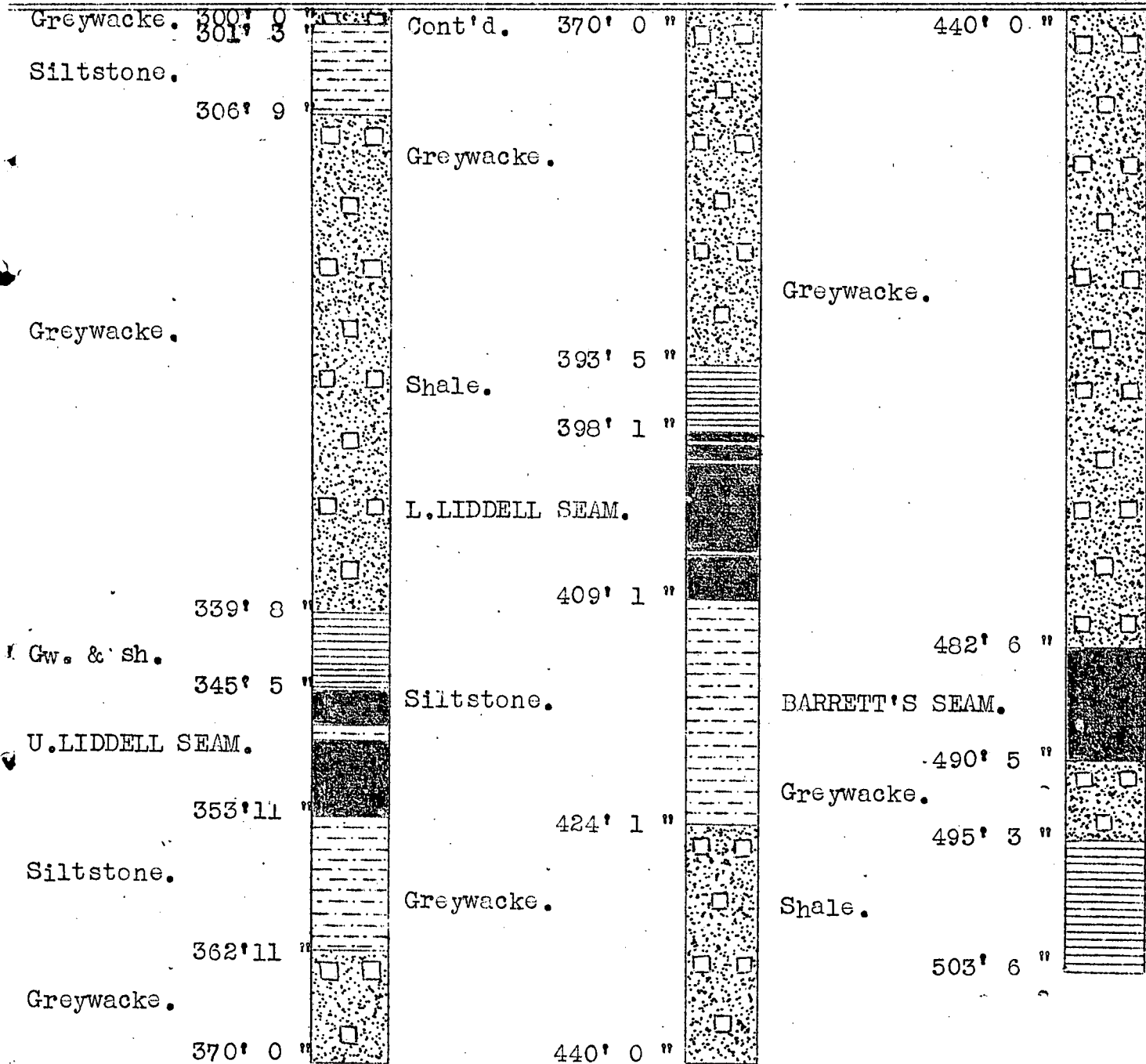


COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek Hole No: BMR 5(S) Elevation: 518.2' ASL  
 Reference: BMR Map N14/110, June, 1953 Datum: Standard  
 Begun: 29.9.52 Finished: 23.10.52 Depth: 503' 6 "

STRATIGRAPHIC LOG (1"-10')

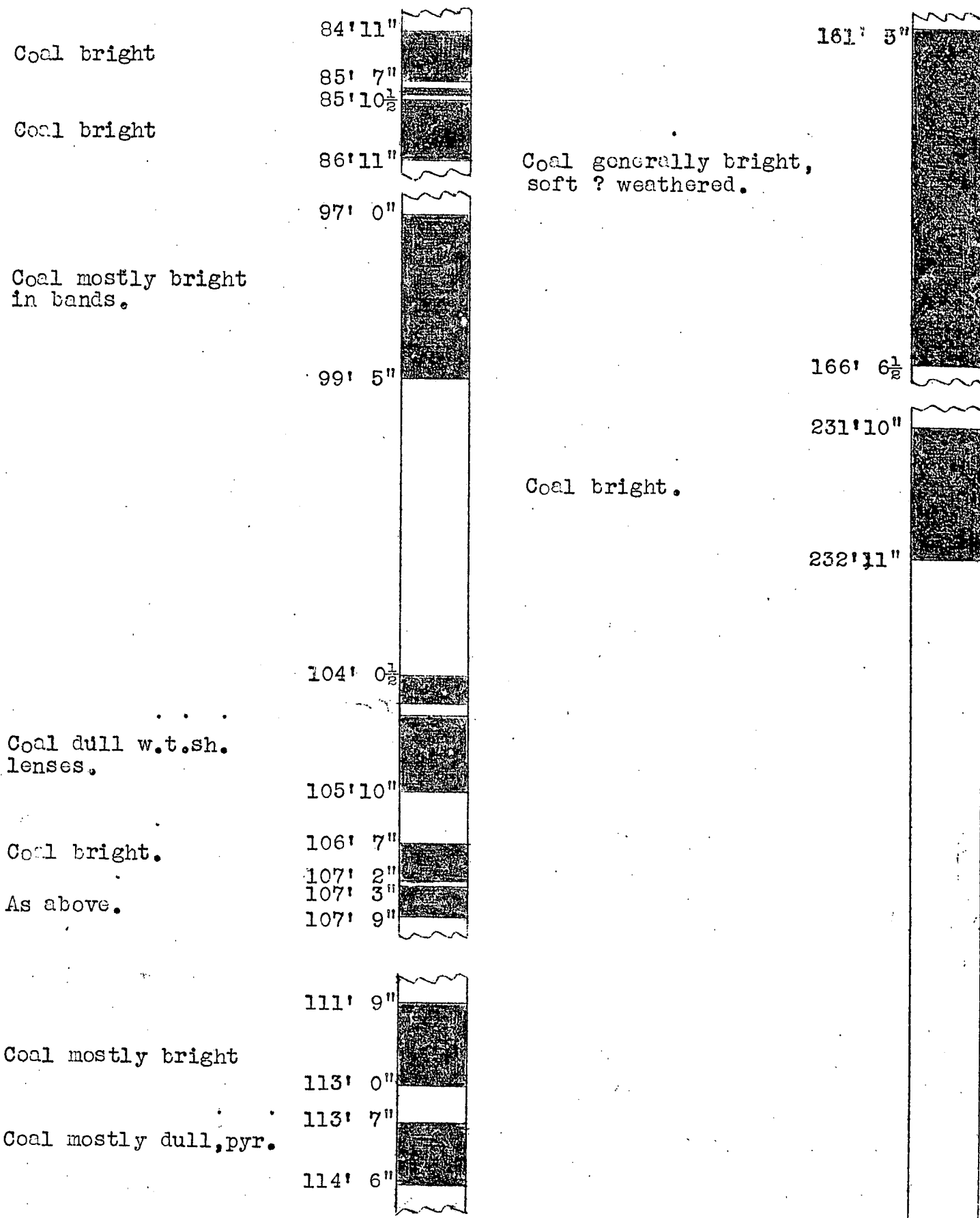


COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek      Hole No: 5(S)      Elevation: 518.2' ASL  
Reference: BMR Map N14/110, June 53      Datum: Standard  
Begun: 29.9.52      Finished: 23.10.52      Depth: 503' 6"

COAL DETAIL (1"-2')

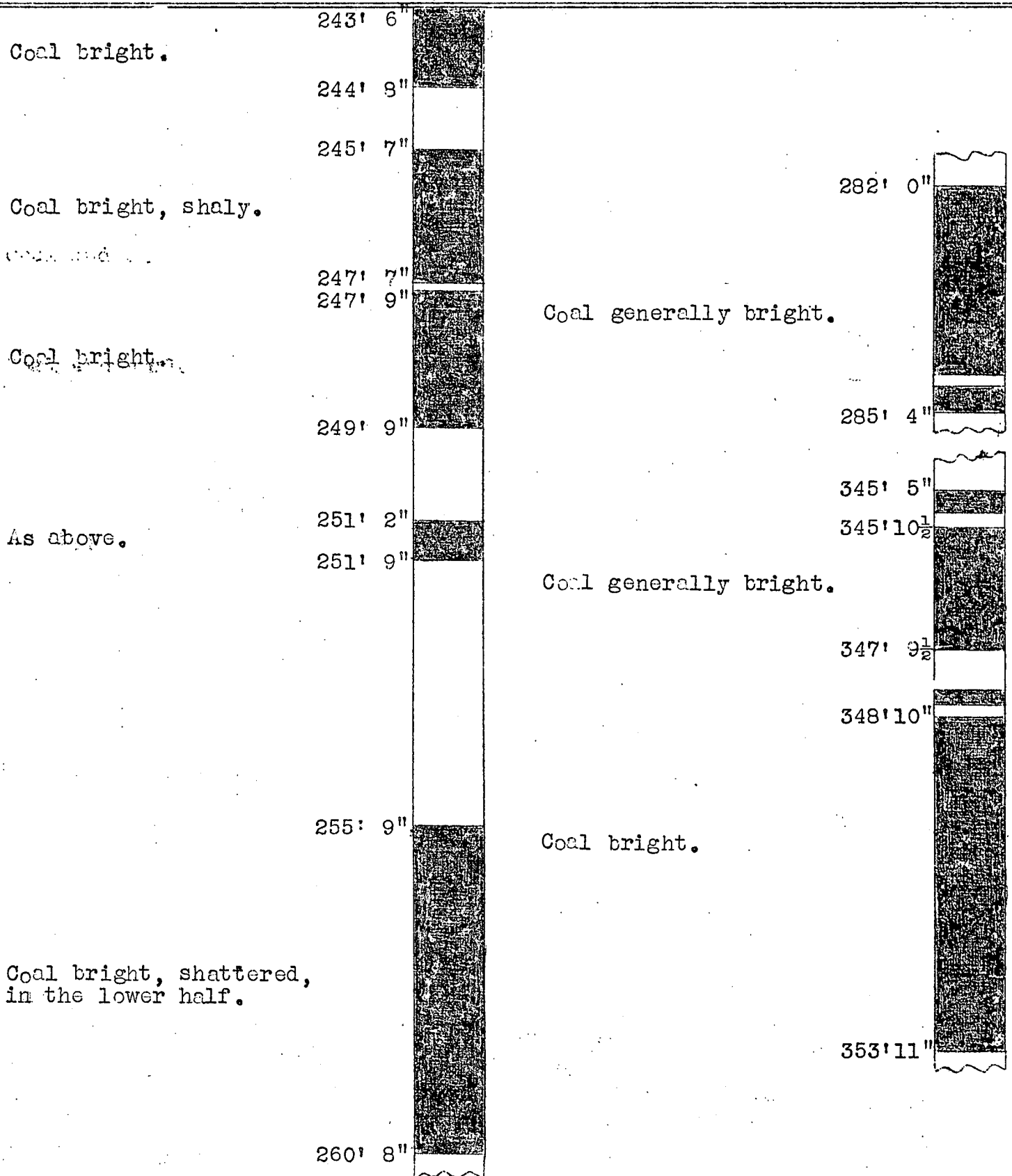


COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

|                                     |                    |                       |
|-------------------------------------|--------------------|-----------------------|
| Area: Farrell's Creek               | Hole No: 5(S)      | Elevation: 518.2' ASL |
| Reference: BMR Map N14/110, June 53 |                    | Datum: Standard       |
| Begun: 29.9.52                      | Finished: 23.10.52 | Depth: 503' 6"        |

COAL DETAIL (1"-2')



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek      Hole No: 5(S)      Elevation: 518.2' ASL  
Reference: BMR Map N14/110, June 53      Datum: Standard  
Begun: 29.9.52      Finished: 23.10.52      Depth: 503' 6"

COAL DETAIL (1"-2')

Coal bright.

398' 1"

398' 5"

398' 10"

Coal, generally dull.

399' 8"

400' 1"

| HM  | V    | FC   | Ash | BThU  |
|-----|------|------|-----|-------|
| 3.1 | 34.6 | 53.4 | 8.9 | 13030 |

Coal bright fragmentary to broken.

482' 6"

No. 1

Coal generally bright, soft & weathered.

403' 9"

|     |      |      |     |       |
|-----|------|------|-----|-------|
| 3.0 | 36.5 | 53.6 | 6.9 | 13330 |
|-----|------|------|-----|-------|

485' 3"

No. 2

As above.

405' 6"

Coal as above,

Coal bright.

406' 1"

Coal bright.

488' 0"

489' 6"

Coal generally dull, powdery ? weathered.

|     |      |      |     |       |
|-----|------|------|-----|-------|
| 2.9 | 36.7 | 54.4 | 6.0 | 13520 |
|-----|------|------|-----|-------|

No. 3

Coal bright.

490' 5"

409' 1"

# COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek

Hole No: BMR 7(S)

Elevation: 530.6' ASL

Reference: BMR Map N14/110, June, 1953

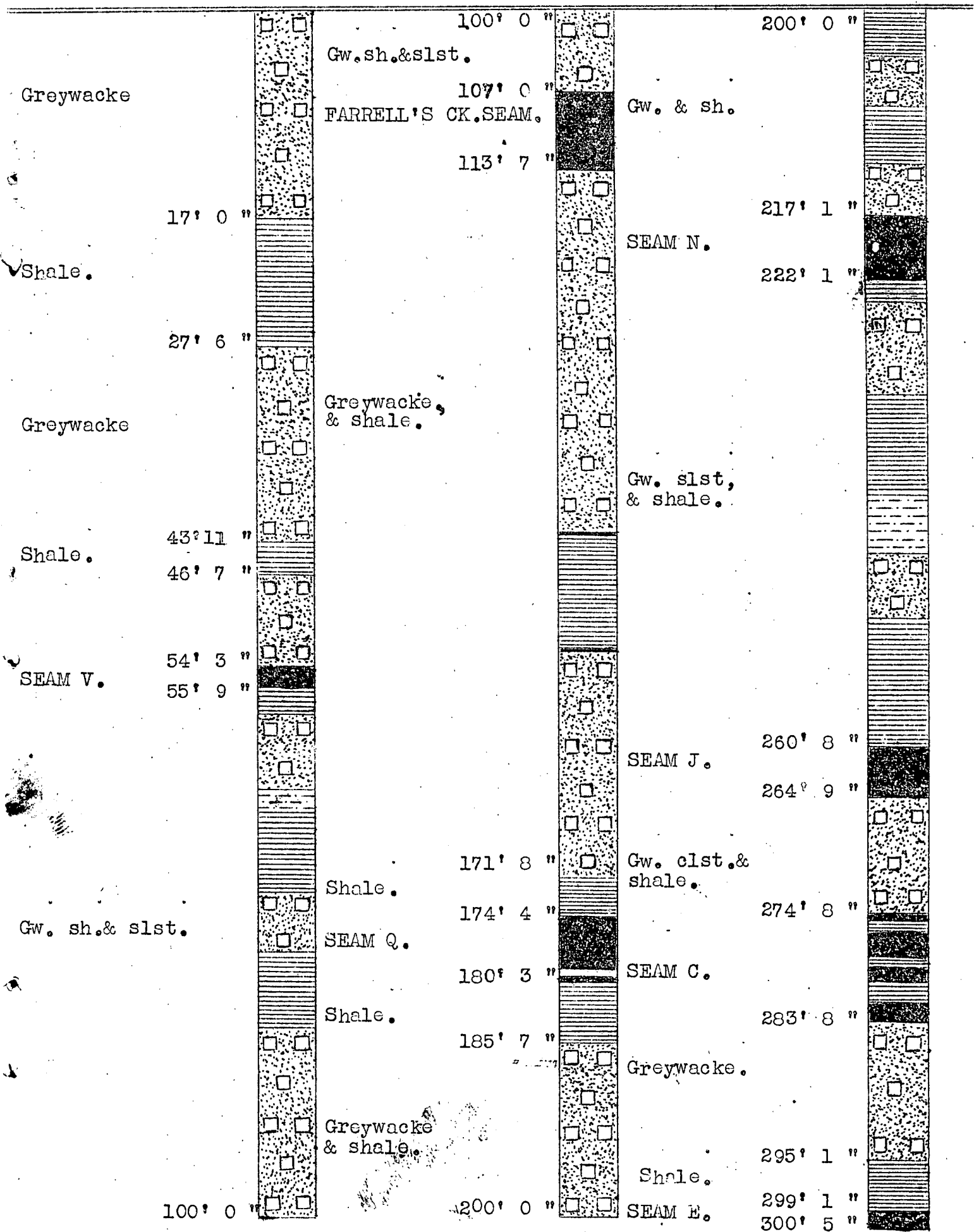
Datum: Standard

Begun: 15.10.52

Finished: 12.11.52

Depth: 506' 4"

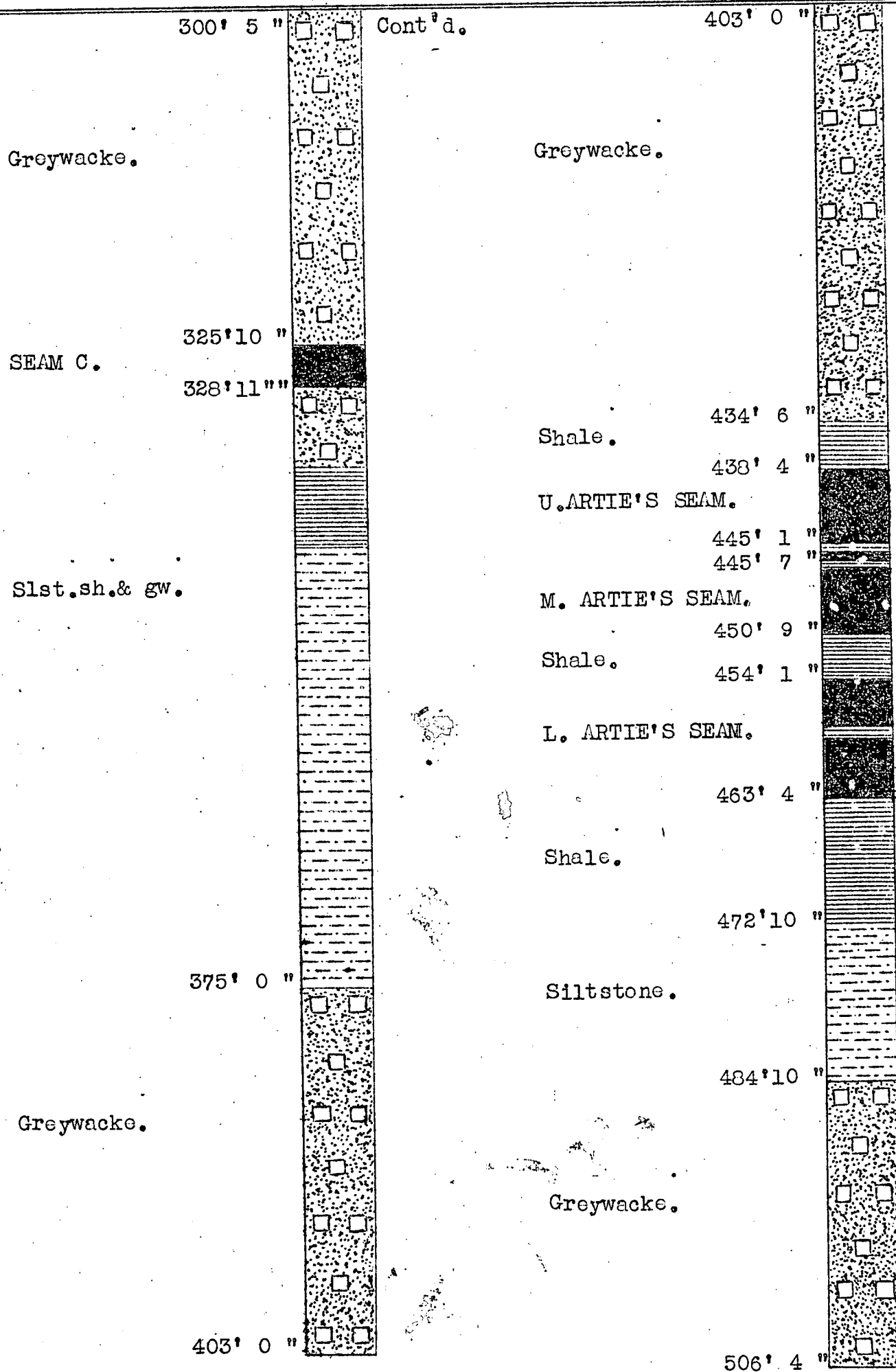
## STRATIGRAPHIC LOG (1"-10')



## Bureau of Mineral Resources, Geology and Geophysics,

Area: Farrell's Creek      Hole No: BMR 7(S)      Elevation: 530.6' ASL  
 Reference: BMR Map N14/110, June, 1953      Datum: Standard  
 Begun: 15.10.52      Finished: 12.11.52      Depth: 506' 4"

## STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA

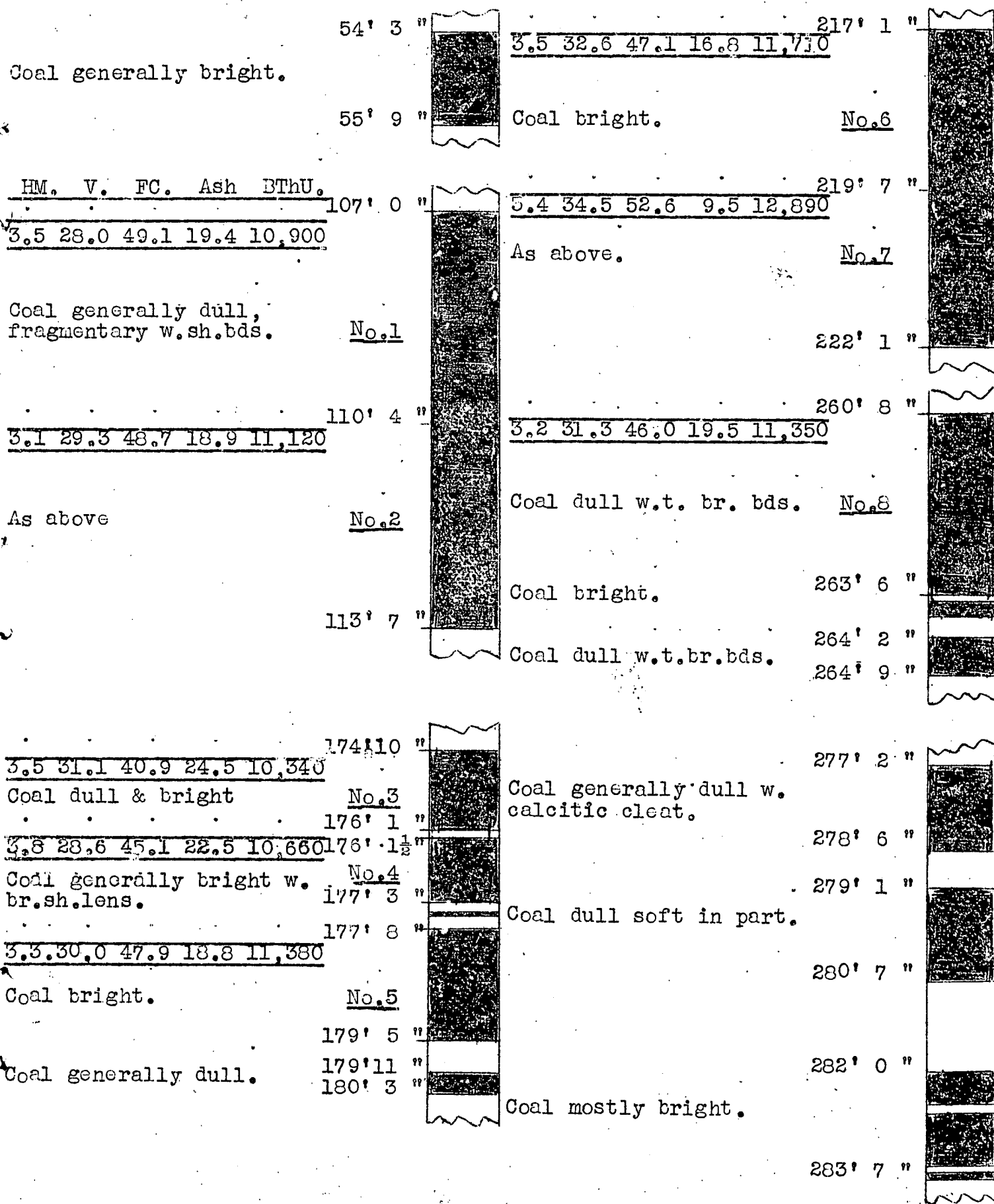
Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek Hole No: BMR 7(S) Elevation: 530.6' ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 15.10.52 Finished: 12.11.52 Depth: 506' 4 "

COAL DETAIL (1"-2')



COMMONWEALTH OF AUSTRALIA

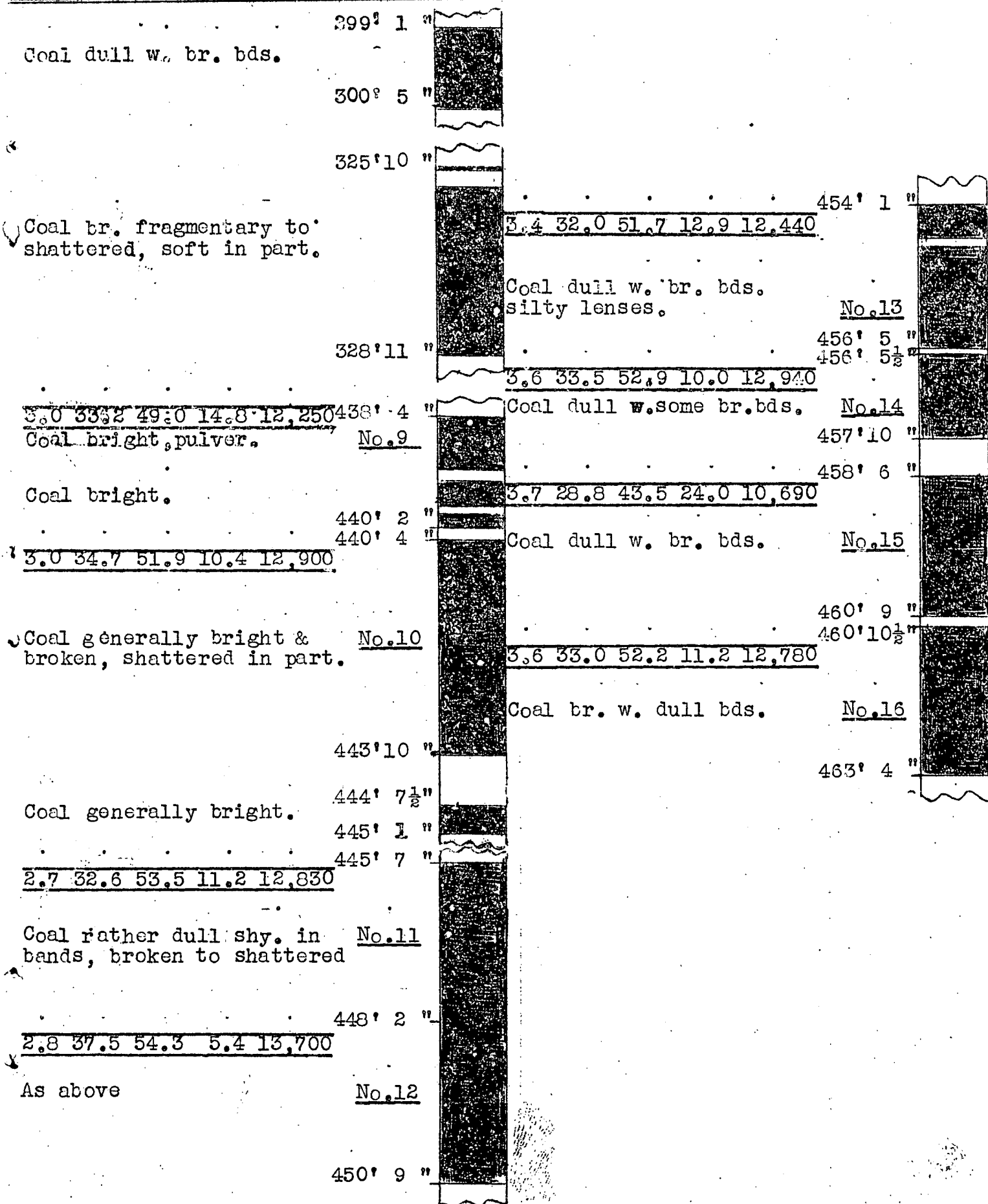
Bureau of Mineral Resources, Geology and Geophysics

Area: Farrell's Creek Hole No: BMR 7(S) Elevation: 530.6' ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 15.10.52      Finished: 12.11.52      Depth: 506'4"

COAL DETAIL (1"-2")



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POND'S CREEK SUBAREA  
(Scout Boreholes)

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 1S.

Elevation: 442.4' ASL

Reference: BMR Map N14/110, June, 1953.

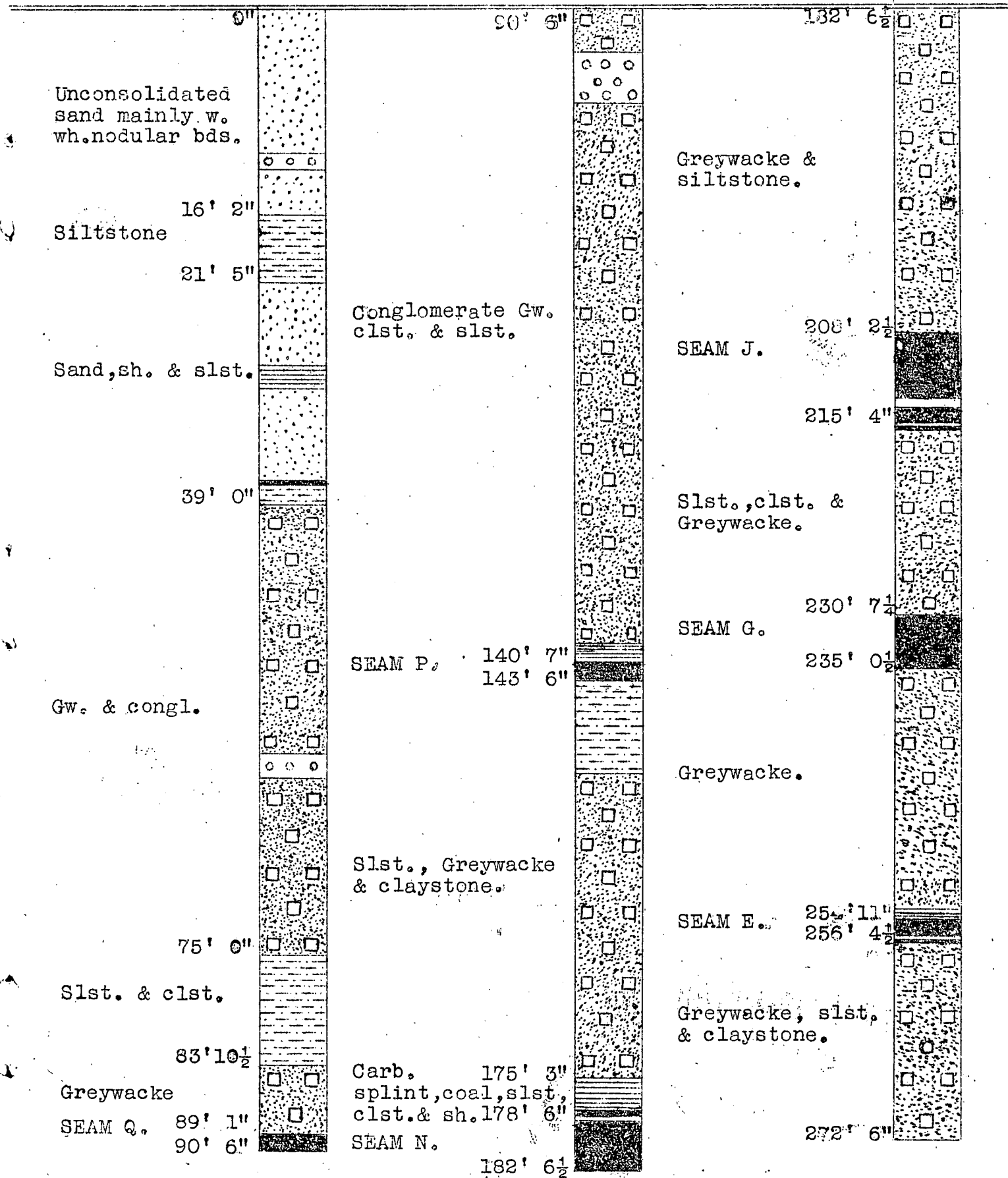
Datum: Standard

Begun: 4.9.52

Finished: 19.11.52

Depth: 454' 10"

STRATIGRAPHIC LOG (1"-10')





48

COMMONWEALTH OF AUSTRALIA  
Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.      Hole No: BMR 1S      Elevation: 442.4' ASL  
Reference: BMR Map N14/110 June 1953.      Datum: Standard  
Begun: 4.9.52      Finished: 19.11.52      Depth: 454' 10"

COAL DETAIL (1"-2')

| HM                                                                      | V            | FC   | Ash  | BThU  |              |                                                                               |      |
|-------------------------------------------------------------------------|--------------|------|------|-------|--------------|-------------------------------------------------------------------------------|------|
| 2.2                                                                     | 27.6         | 37.3 | 32.9 | 9.380 | 178' 6 "     |                                                                               |      |
|                                                                         |              |      |      |       |              | 374' 11 "                                                                     |      |
|                                                                         |              |      |      |       |              | 2.5 29.3 42.1 26.1 10.420                                                     |      |
| Coal dull & bright bdd.<br>to laminated.                                | No.1.        |      |      |       |              | Coal dull & bright bdd.                                                       | No.7 |
|                                                                         |              |      |      |       |              | 376' 5 "                                                                      |      |
|                                                                         |              |      |      |       | 181' 2 1/4 " | 2.5 32.2 48.5 16.8 11.810                                                     |      |
|                                                                         |              |      |      |       | 181' 6 1/4 " |                                                                               |      |
| 2.4 30.7 41.2 25.7 10.410                                               | No.2         |      |      |       |              | Coal bdd. as above, broken                                                    |      |
| Coal dull & bright bdd.                                                 | 182' 3 1/2 " |      |      |       |              | No.8.                                                                         |      |
|                                                                         | 182' 6 1/2 " |      |      |       |              |                                                                               |      |
|                                                                         |              |      |      |       |              | 379' 3 1/2 "                                                                  |      |
| Coal dull & bright bdd.                                                 | 208' 2 1/2 " |      |      |       |              |                                                                               |      |
|                                                                         | 209' 0 1/2 " |      |      |       |              | 412' 10 1/2 "                                                                 |      |
| Coal dull.                                                              | 209' 10 "    |      |      |       |              |                                                                               |      |
|                                                                         | 210' 0 "     |      |      |       |              |                                                                               |      |
|                                                                         | 210' 5 "     |      |      |       |              |                                                                               |      |
| 2.0 27.4 43.1 27.5 10.500                                               | No.3         |      |      |       |              | Coal dull & bright w. R. v. t.<br>br. clst. lens near bot. broken<br>in part. |      |
| Coal mainly dull w. some<br>bright bds.                                 | 211' 4 "     |      |      |       |              |                                                                               |      |
| 2.4 29.6 40.0 28.0 10.130                                               | 211' 4 1/2 " |      |      |       |              |                                                                               |      |
| Coal dull & bright, finely<br>broken.                                   | No.4.        |      |      |       |              |                                                                               |      |
|                                                                         | 213' 3 1/2 " |      |      |       |              |                                                                               |      |
|                                                                         | 214' 3 "     |      |      |       |              | 417' 9 "                                                                      |      |
| 2.3 35.0 45.9 16.8 11.960                                               | No.5.        |      |      |       |              |                                                                               |      |
| Coal dull & bright bdd.<br>broken at bottom.                            | 215' 4 "     |      |      |       |              |                                                                               |      |
|                                                                         |              |      |      |       |              | 451' 5 3/4 "                                                                  |      |
| Coal dull & bright lamd.                                                | 230' 7 1/4 " |      |      |       |              |                                                                               |      |
|                                                                         |              |      |      |       |              | Coal dull & bright bdd. w. R.v.<br>t. lens ck. br. sdy. shale.                |      |
|                                                                         | 232' 1 1/4 " |      |      |       |              |                                                                               |      |
|                                                                         | 232' 4 3/4 " |      |      |       |              |                                                                               |      |
| 2.4 32.1 49.3 16.2 11.970                                               |              |      |      |       |              |                                                                               |      |
| Coal dull & bright bdd. in<br>pregnated w. pyr. at 1 1/2 " from<br>top. | No.6.        |      |      |       |              | 454' 10 "                                                                     |      |
|                                                                         | 235' 0 1/2 " |      |      |       |              |                                                                               |      |

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 1 (S) R. Elevation: 398.5' ASL

Reference: BMR Map N14/110, June, 1953

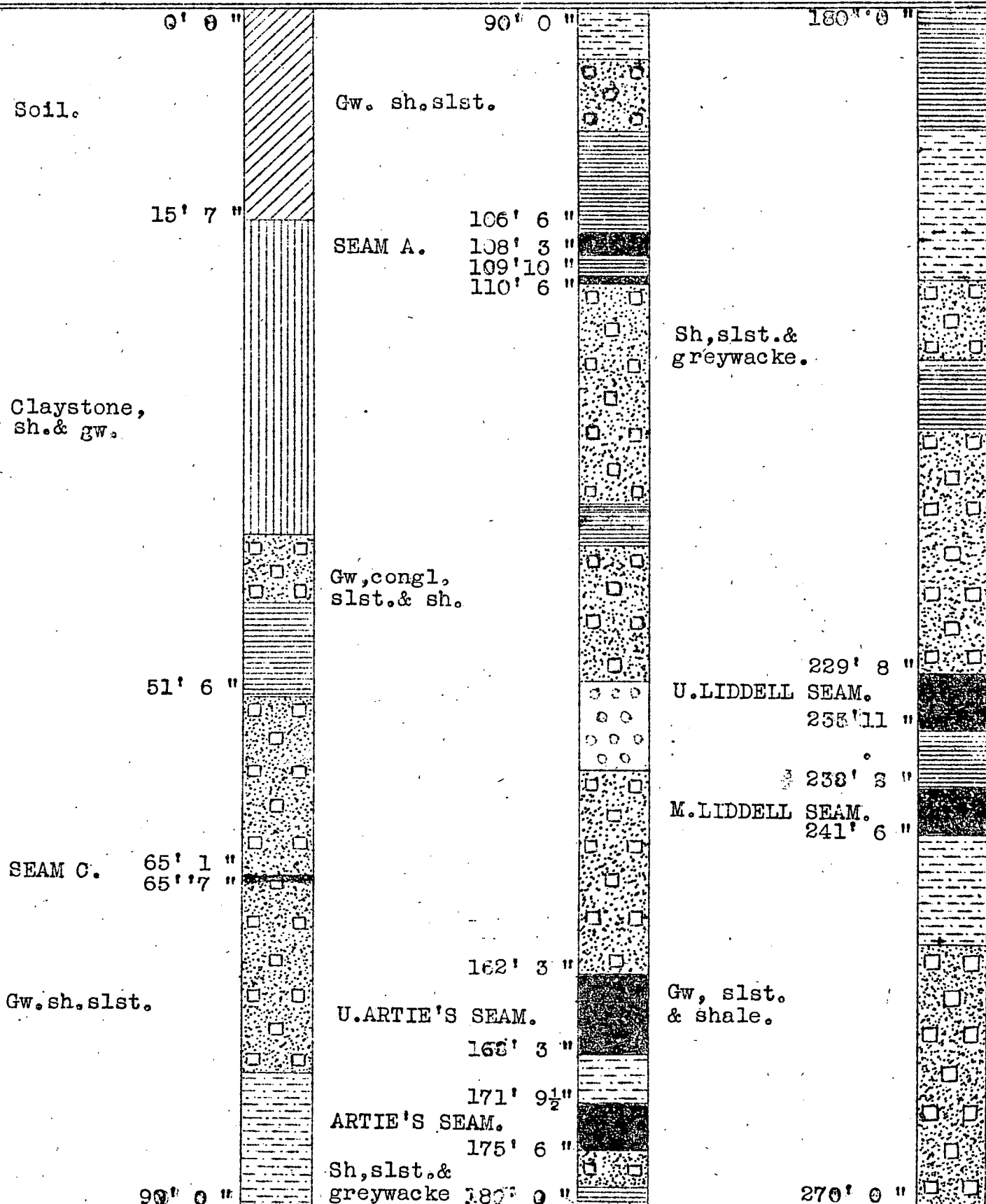
Datum: Standard

Begun: 20.11.52

Finished: 12.12.52

Depth: 418' 0"

STRATIGRAPHIC LOG (1"-10')



# COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 1(S) R Elevation: 398.5' ASL

Reference: BMR Map N14/110, June, 1953

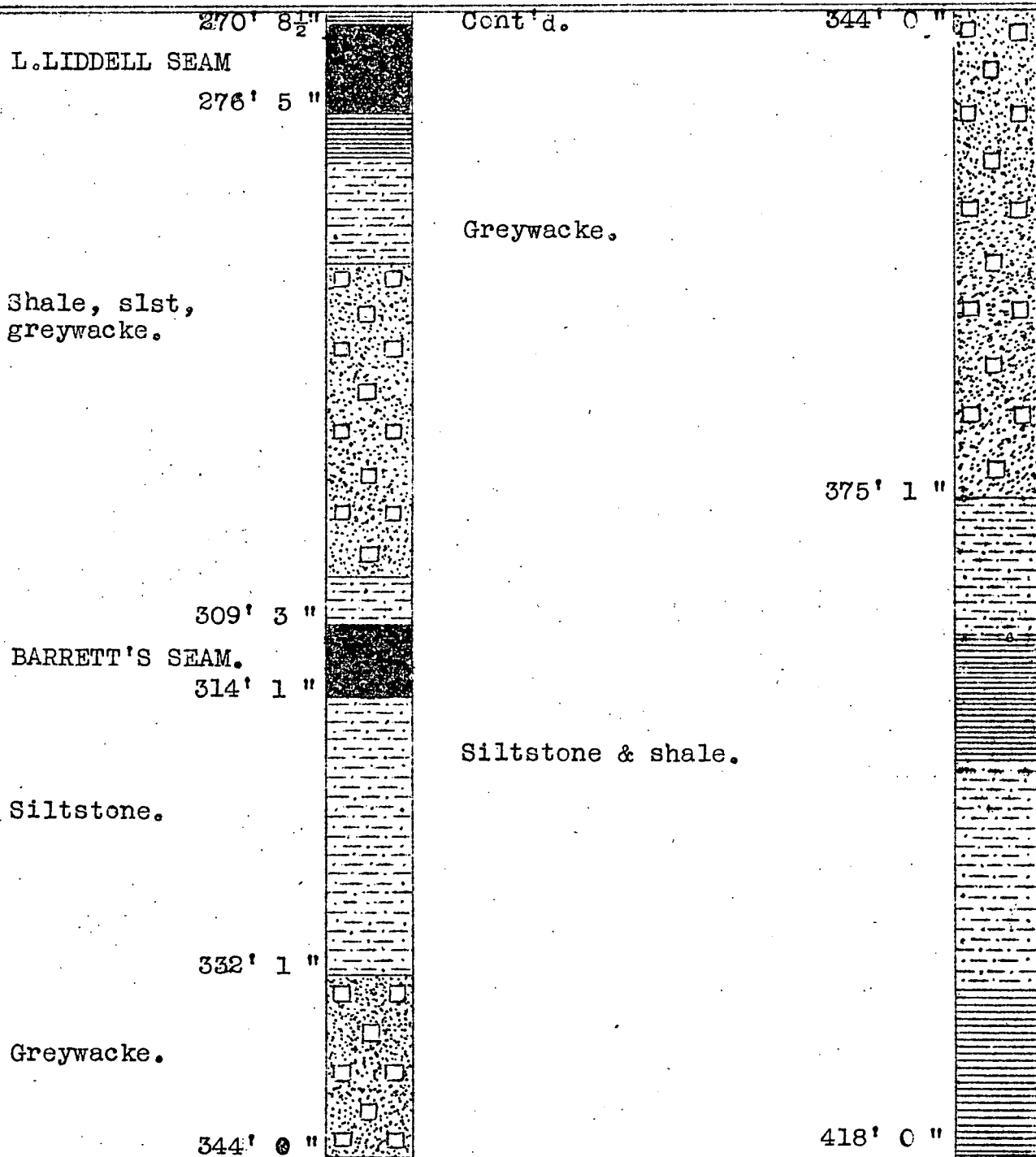
Datum: Standard

Begun: 20.11.52

Finished: 12.12.52

Depth: 418' 0"

## STRATIGRAPHIC LOG (1"-16')



# COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 1(S)R

Elevation: 398.5' ASL

Reference: BMR Map N14/110 June, 1953

Datum: Standard

Begun: 20.11.52

Finished: 12.12.52

Depth: 418' 0"

## COAL DETAIL (1"-2")

| HM                         | V    | FC   | Ash  | BThU   |              |                                |      |              |             |
|----------------------------|------|------|------|--------|--------------|--------------------------------|------|--------------|-------------|
| 3.5                        | 33.1 | 50.1 | 13.3 | 12.360 | 162' 3 "     |                                |      | 238' 2 "     |             |
| Coal mostly dull.          |      |      |      |        | No.1         | Coal generally dull.           |      | 238' 8 "     |             |
|                            |      |      |      |        |              | Coal dull.                     |      | 239' 2 "     |             |
|                            |      |      |      |        |              |                                |      | 239' 11 "    |             |
|                            |      |      |      |        |              |                                |      | 240' 2 1/2 " |             |
|                            |      |      |      |        | 164' 8 1/2 " | Coal mostly dull.              |      |              |             |
|                            |      |      |      |        | 165' 0 1/2 " |                                |      |              |             |
| 3.3                        | 31.4 | 43.3 | 21.5 | 11.120 |              |                                |      | 241' 6 "     |             |
| Coal dull & bright broken. |      |      |      |        | No.2         | 3.0                            | 30.9 | 41.9         | 24.2 10.610 |
|                            |      |      |      |        |              | Coal mostly dull, fragmentary. |      | No.6         |             |
|                            |      |      |      |        | 168' 3 "     |                                |      | 271' 10 "    |             |
|                            |      |      |      |        |              |                                |      | 272' 4 "     |             |
|                            |      |      |      |        |              |                                |      | 273' 8 1/2 " |             |
|                            |      |      |      |        |              |                                |      | 273' 9 1/2 " |             |
|                            |      |      |      |        | 171' 9 1/2 " | 3.6                            | 28.7 | 38.6         | 29.1 9.610  |
| 3.2                        | 22.2 | 37.9 | 30.7 | 9.440  |              | Coal dull & bright bdd.        |      | No.7         |             |
| Coal dull & bright broken. |      |      |      |        | No.3         |                                |      |              |             |
|                            |      |      |      |        | 174' 0 "     |                                |      |              |             |
| Coal Broken                |      |      |      |        | 174' 5 "     |                                |      | 276' 5 "     |             |
|                            |      |      |      |        | 175' 6 "     |                                |      |              |             |
|                            |      |      |      |        | 229' 8 "     | 3.3                            | 34.9 | 48.6         | 13.5 12.280 |
| 2.9                        | 35.3 | 49.0 | 12.8 | 12.460 |              | Coal dull & bright cleated.    |      | No.8         |             |
| Coal mostly dull.          |      |      |      |        | No.4         |                                |      | 311' 4 "     |             |
|                            |      |      |      |        | 231' 7 "     |                                |      | 311' 10 "    |             |
|                            |      |      |      |        | 231' 9 "     | 3.8                            | 27.4 | 46.8         | 22.0 10.860 |
| 3.1                        | 33.9 | 47.2 | 15.8 | 11.990 |              | Coal shattered.                |      | No.9         |             |
| As above.                  |      |      |      |        | No.5         |                                |      |              |             |
|                            |      |      |      |        | 233' 11 "    |                                |      | 314' 1 "     |             |

# COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area : Pond's Creek.

Hole No: BMR 2 (S)

Elevation: 489.5' ASL

Reference: BMR Map N14/110 June, 1953.

Datum: Standard

Began: 23.10.52

Finished: 28.10.52

Depth: 78' 3"

## STRATIGRAPHIC LOG (1"-10")

Clay.

5' 0 "

5' 0 "

Greywacke.

47' 5 "

52' 5 "

Shaly, claystone to shale.

7' 7 "

60' 0 "

Carb. shaly, Greywacke

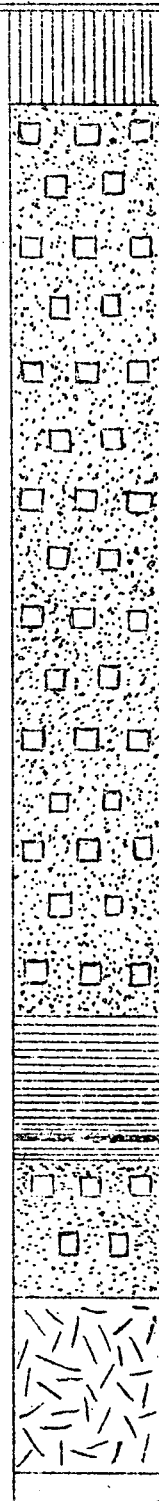
7' 3 "

67' 3 "

? Dolerite mainly wd. cavernous.

11' 0 "

78' 3 "



## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 2(S)R

Elevation: 489.5' ASL

Reference: BMR Map N14/110 June, 1953

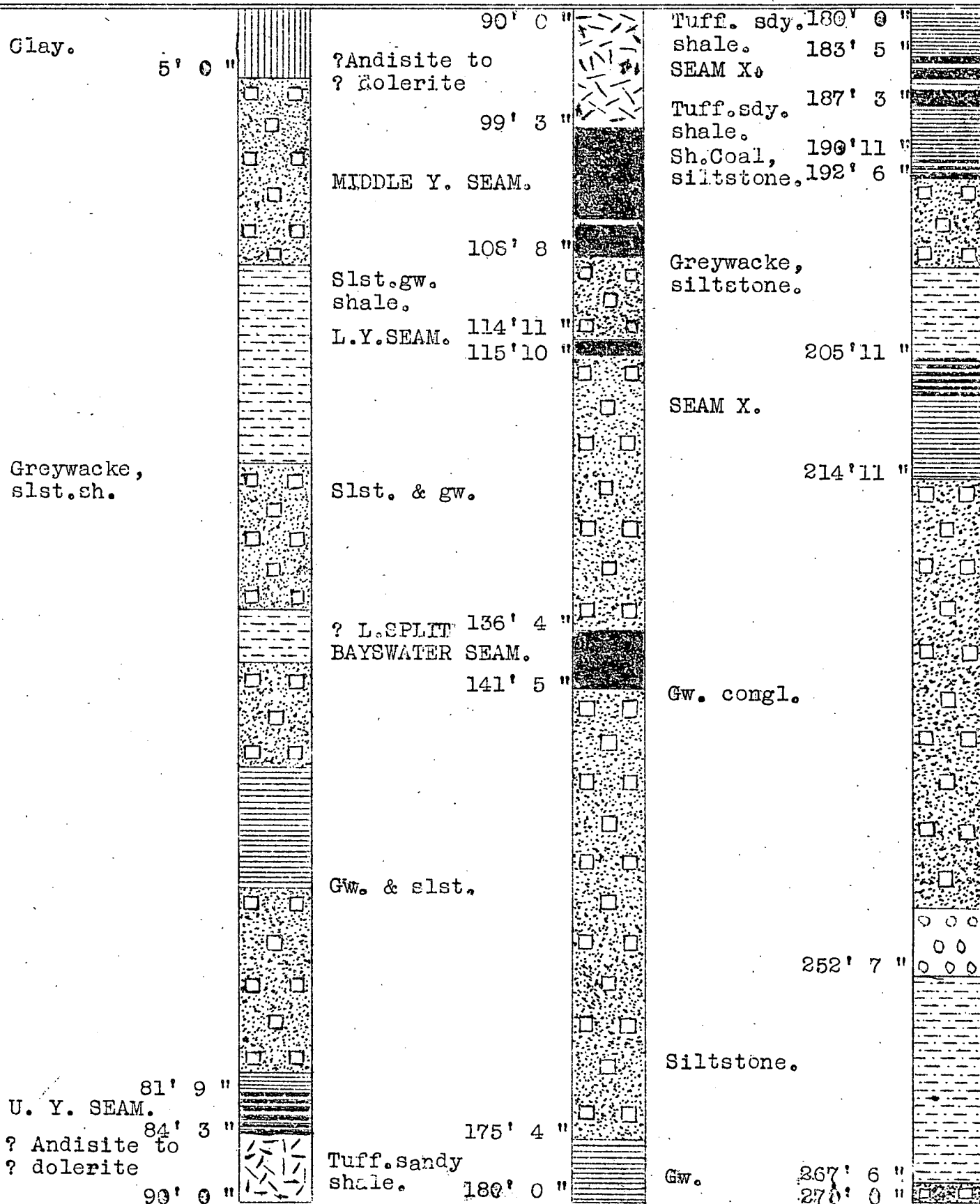
Datum: Standard

Begun: 13.11.52

Finished: 13.2.53

Depth: 1077' 3 "

## STRATIGRAPHIC LOG (1"-10")



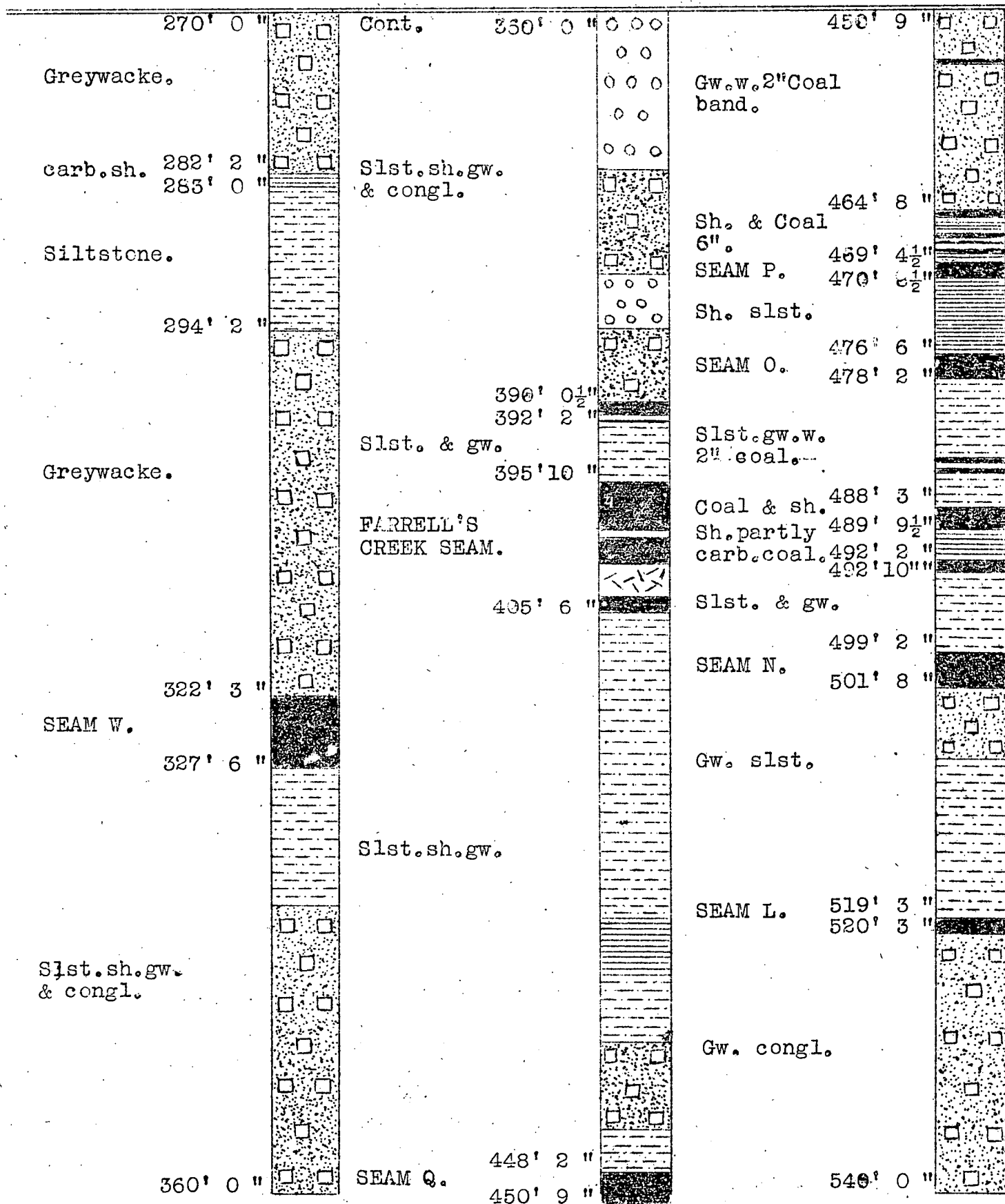
## Bureau of Mineral Resources, Geology and Geophysics.

Elevation: 489.5' ASL

Datum: Standard

Depth: 1077' 3 "

## STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

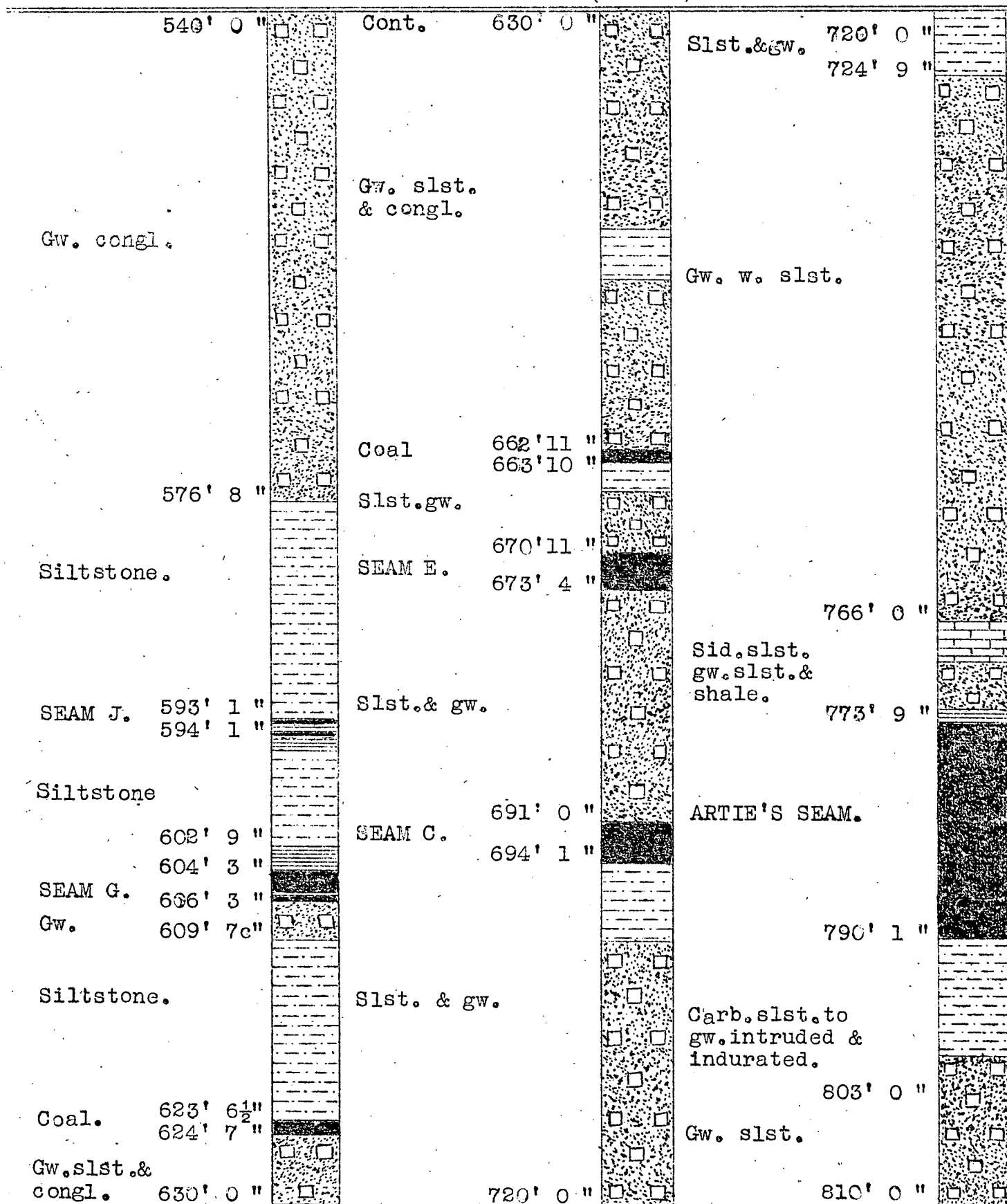
Hole No: BMR 2(S) R

Elevation: 489.5' ASL

Datum: Standard.

Finished: 13,253

Depth: 1077' 3"

STRATIGRAPHIC LOG (1<sup>st</sup>-10<sup>th</sup>)

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COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 2(S)R

Elevation: 489.5' ASL

Reference: BMR Map N14/110, June, 1953.

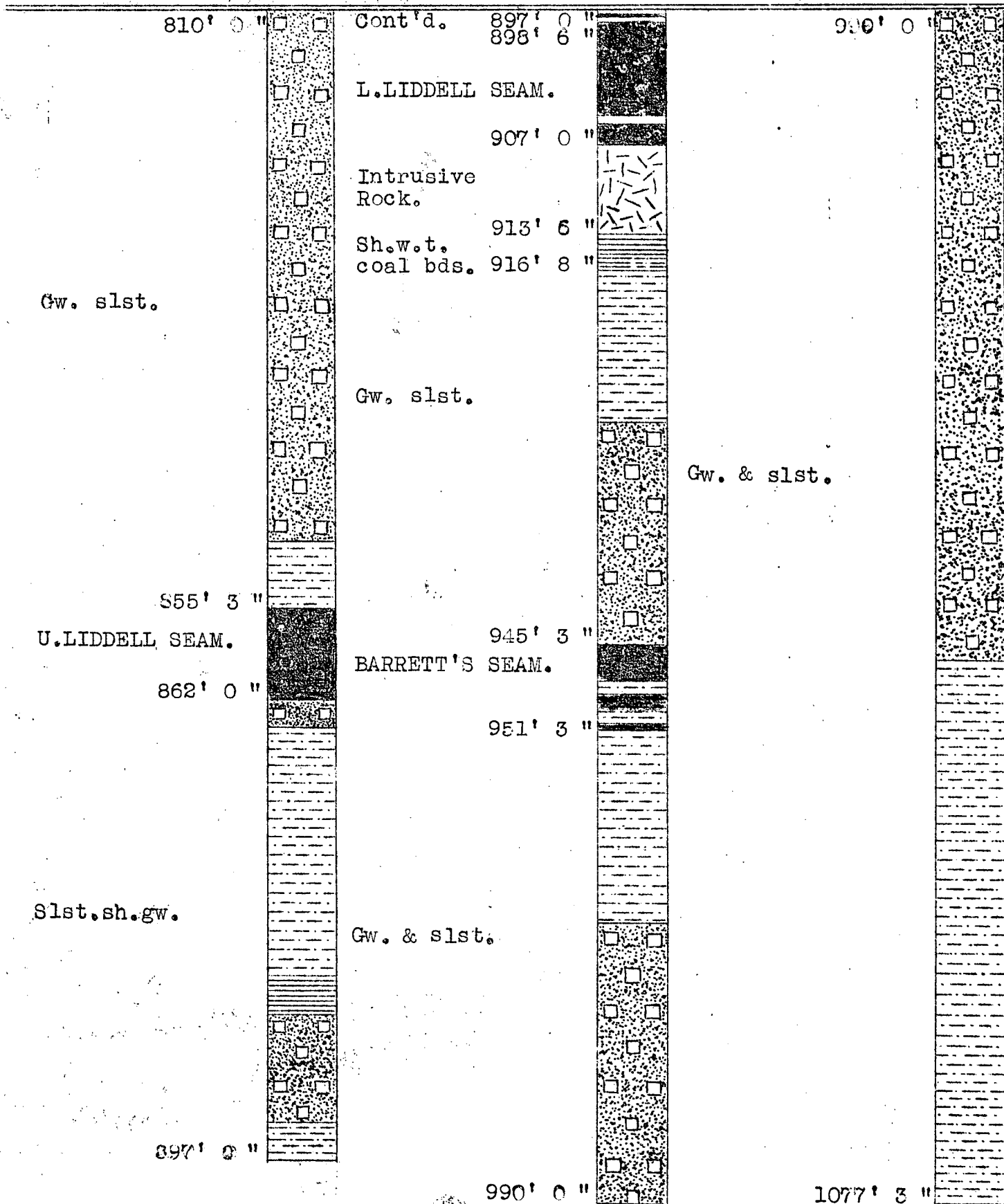
Datum: Standard

Begun: 13.11.52

Finished: 13.2.53

Depth: 1077' 3"

STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 2(S) R

Elevation: 489.5' ASL

Reference: BMR Map N14/110 June, 1953

Datum: Standard

Begun: 13.11.52

Finished: 13.2.53

Depth: 1077' 3"

COAL DETAIL (1"-2")

Cont'd.

Coal dull & bright  
bdd. highly pyr. at bot.

898' 6"

898' 11 1/2"

899' 1 1/2"

Coal bdd. as above.

899' 11 1/2"

900' 4"

Coal dull mainly w.  
bright lam. & t. bd,  
sh. at bot.

900' 11"

901' 2 1/2"

Coal tough indurated  
& intruded.

904' 10 1/2"

Coal w. t. sh. bds.  
indurated.

906' 0"

907' 0"

HM V FC Ash BThU

2.9 32.9 47.7 16.5 11.950 945' 3"

Coal dull & bright bdd.  
w. 1/2" bd. br. gy. sdy. sh.  
near bot. fragmentary  
at bot.

No. 16

947' 9"

Coal dull & bright  
bdd. & shale.

948' 6"

949' 6"

Coal dull & bright  
lamd. w. t. bd. carb. sh.

950' 9"

951' 3"

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 2(S) R

Elevation: 489.5' ASL

Reference: BMR Map N14/110 June, 1953.

Datum: Standard

Begun: 13.11.52

Finished: 13.2.53

Depth: 1077' 3"

## COAL DETAIL (1"-2')

| HM  | V   | FC   | As <sub>1</sub> | BThU  |
|-----|-----|------|-----------------|-------|
| 4.4 | 6.2 | 61.3 | 28.1            | 9,500 |

Coal dull cindered &  
br.w.metallic lustre  
limonite stained.

No.1

99' 3 "

100' 7 1/2 "

100' 11 1/2 "

|     |     |      |      |        |
|-----|-----|------|------|--------|
| 5.3 | 3.1 | 78.9 | 11.7 | 11,980 |
|-----|-----|------|------|--------|

Coal as above.

No.2

102' 9 "

102' 10 "

|     |     |      |      |        |
|-----|-----|------|------|--------|
| 4.9 | 8.1 | 72.2 | 14.8 | 11,230 |
|-----|-----|------|------|--------|

Coal mostly bright

No.3

105' 5 "

105' 7 1/2 "

105' 10 1/2 "

106' 8 1/2 "

107' 11 1/2 "

|     |      |      |     |        |
|-----|------|------|-----|--------|
| 3.5 | 30.2 | 56.4 | 9.9 | 12,540 |
|-----|------|------|-----|--------|

No.4

Coal bright powdery

108' 3 "

108' 5 "

108' 8 "

136' 4 "

Coal dull.

Coal &amp; Shale.

141' 5 "

183' 5 "

183' 10 "

184' 5 1/2 "

Coal dull bright bdd.

185' 3 "

185' 10 "

186' 1 "

186' 4 "

186' 9 1/2 "

187' 3 "

322' 3 "

|     |      |      |      |        |
|-----|------|------|------|--------|
| 3.5 | 27.4 | 46.9 | 22.2 | 10,730 |
|-----|------|------|------|--------|

Coal dull &amp; bright banded.

No.5

Coal dull &amp; bright bdd. broken w.R.t. carb. sh. bd.

327' 6 "

395' 10 "

396' 11 "

397' 0 "

|     |      |      |      |        |
|-----|------|------|------|--------|
| 3.3 | 27.2 | 48.6 | 20.9 | 10,920 |
|-----|------|------|------|--------|

Coal as above

No.6

399' 4 "

400' 3 "

|     |      |      |      |        |
|-----|------|------|------|--------|
| 2.6 | 11.5 | 67.7 | 18.2 | 11,310 |
|-----|------|------|------|--------|

Coal dull cindered &amp; bright lamd. distorted.

No.7

402' 0 "

404' 6 "

Coal dull &amp; bright w. metallic lustre.

405' 5 "

COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.                      Hole No: BMR 2(S) R                      Elevation: 489.5' ASL  
Reference: BMR Map N14/110, June, 1953                      Datum: Standard  
Begun: 13.11.52                      Finished: 13.2.53                      Depth: 1077' 3 "

COAL DETAIL (1"-2')

|                                                        |       |                                          |              |
|--------------------------------------------------------|-------|------------------------------------------|--------------|
| 691' 0 "                                               |       | Cont'd.                                  | 787' 7 1/2 " |
| <u>2.8 31.4 53.6 12.2 12,670</u>                       |       | <u>2.6 21.3 49.9 26.2 10,250</u>         |              |
| Coal dull & bright bdd. & broken                       | No.8  | Coal as above.                           | No.14        |
| 694' 1 "                                               |       |                                          | 790' 1 "     |
| 773' 9 "                                               |       | 855' 3 "                                 |              |
| <u>2.6 35.4 48.3 13.7 12,460</u>                       |       | <u>3.1 25.4 39.2 32.3 9,310</u>          |              |
| Coal dull & bright bdd.                                | No.9  | Coal mostly bright, broken & powdered.   | No.15        |
| 776' 1 "                                               |       | 857' 4 "                                 |              |
| <u>2.7 29.1 57.7 10.5 12,730</u>                       |       |                                          |              |
| As above.                                              | No.10 | Coal dull for 8" then dull & bright bdd. |              |
| 778' 5 "                                               |       |                                          |              |
| <u>2.8 33.9 57.0 6.3 13,460</u>                        |       |                                          |              |
| As above.                                              | No.11 | Coal bright, powdered (Dant)             | 861' 0 "     |
| 780' 10 "                                              |       |                                          | 861' 3 "     |
| <u>2.8 35.5 53.6 8.1 13,180</u>                        |       |                                          | 862' 0 "     |
| 781' 1 1/2 "                                           |       |                                          |              |
| Coal dull & bright bdd. becoming powdered near bottom. | No.12 |                                          |              |
| 784' 1 1/2 "                                           |       |                                          |              |
| <u>3.0 29.9 44.1 23.0 10,800</u>                       |       |                                          |              |
| As above.                                              | No.13 |                                          |              |
| 787' 1 1/2 "                                           |       |                                          |              |

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 3(S)

Elevation: 545.1'ASL

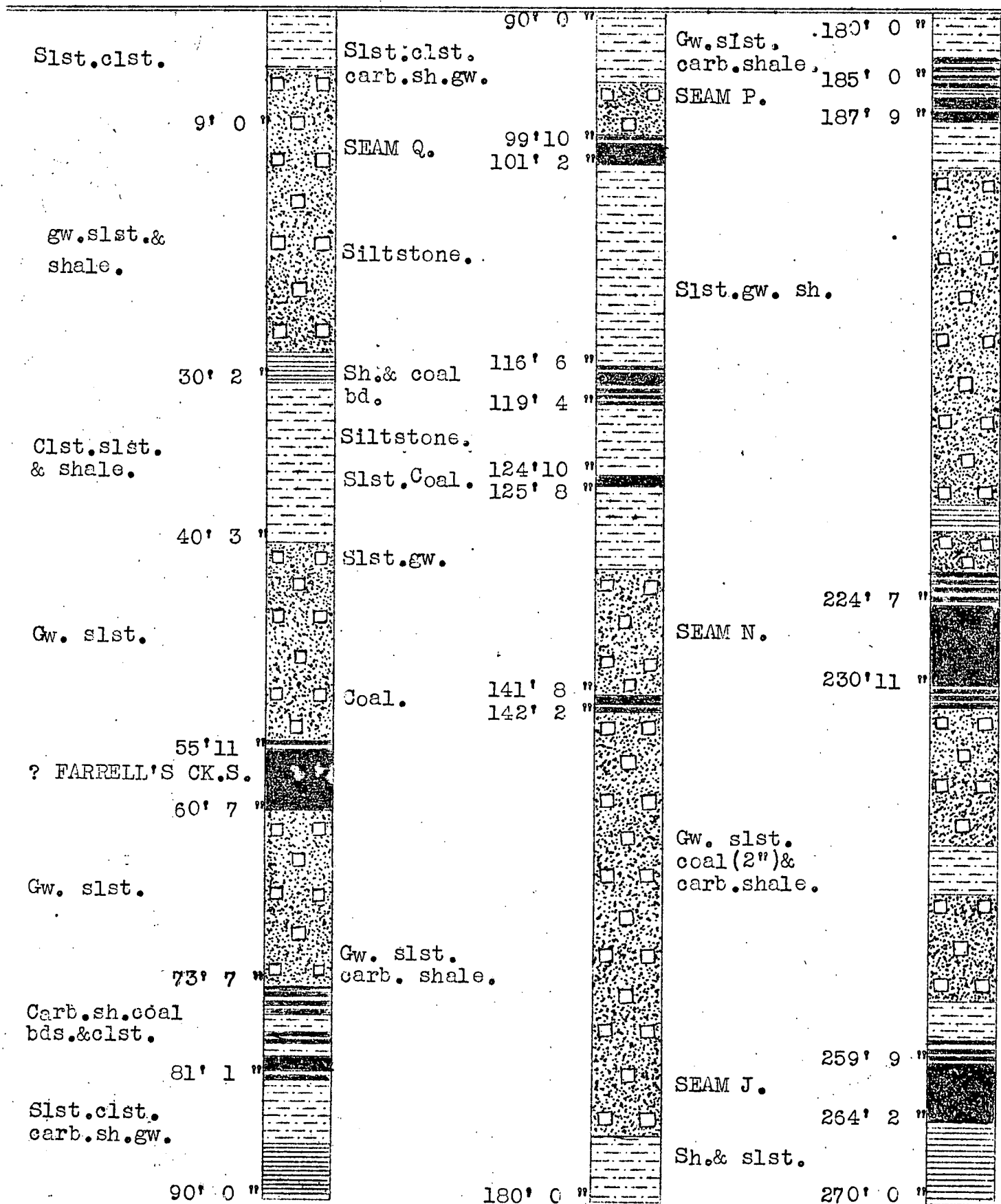
Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 3.11.52

Finished: 13.11.52

Depth: 395' 11"

STRATIGRAPHIC LOG (1<sup>st</sup>-10<sup>1</sup>)

Depth: 395' 11"

|                              | 270' 0"  | Cont'd.       | 333' 0"  |
|------------------------------|----------|---------------|----------|
| Slst. (partly<br>sid.) & sh. |          |               |          |
| SEAM G.                      | 280' 5"  |               |          |
| Siltstone.                   | 285' 0"  |               |          |
| Greywacke.                   | 288' 8"  | Slst. & gw.   |          |
| SEAM E.                      | 295' 4½" |               |          |
|                              | 297' 9"  |               |          |
| Slst. shale.                 |          |               |          |
| SEAM C.                      | 320' 2½" |               |          |
|                              | 324' 6½" |               |          |
| Slst. & gw.                  |          | ARTIE'S SEAM. | 390' 0"  |
|                              | 333' 0"  |               | 395' 11" |

# COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 3(S) - Elevation: 545.1' ASL

Reference: BMR Map N14/110, June, 1953

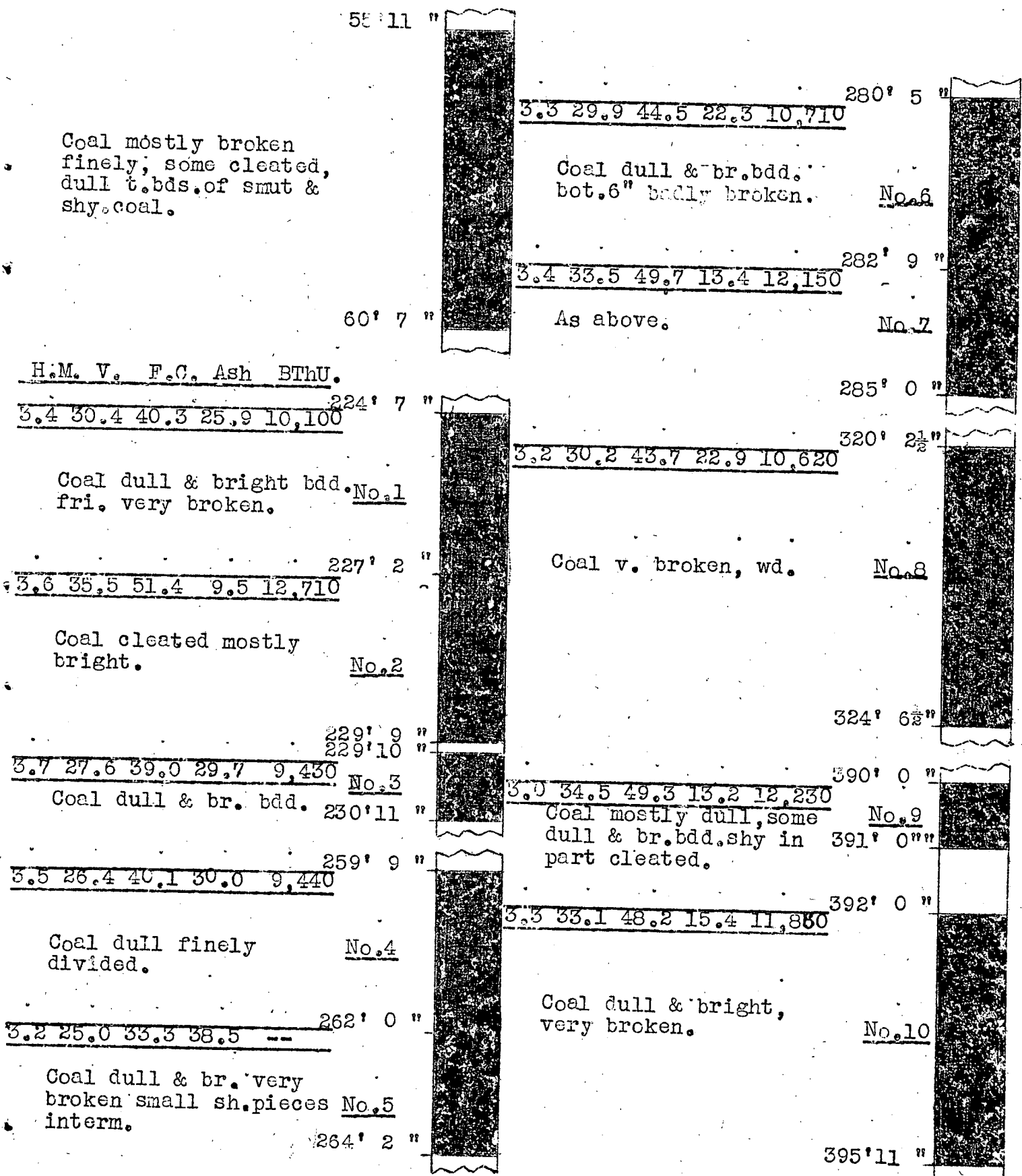
Datum: Standard

Begun: 3.11.52

Finished: 3.11.52

Depth: 395' 11"

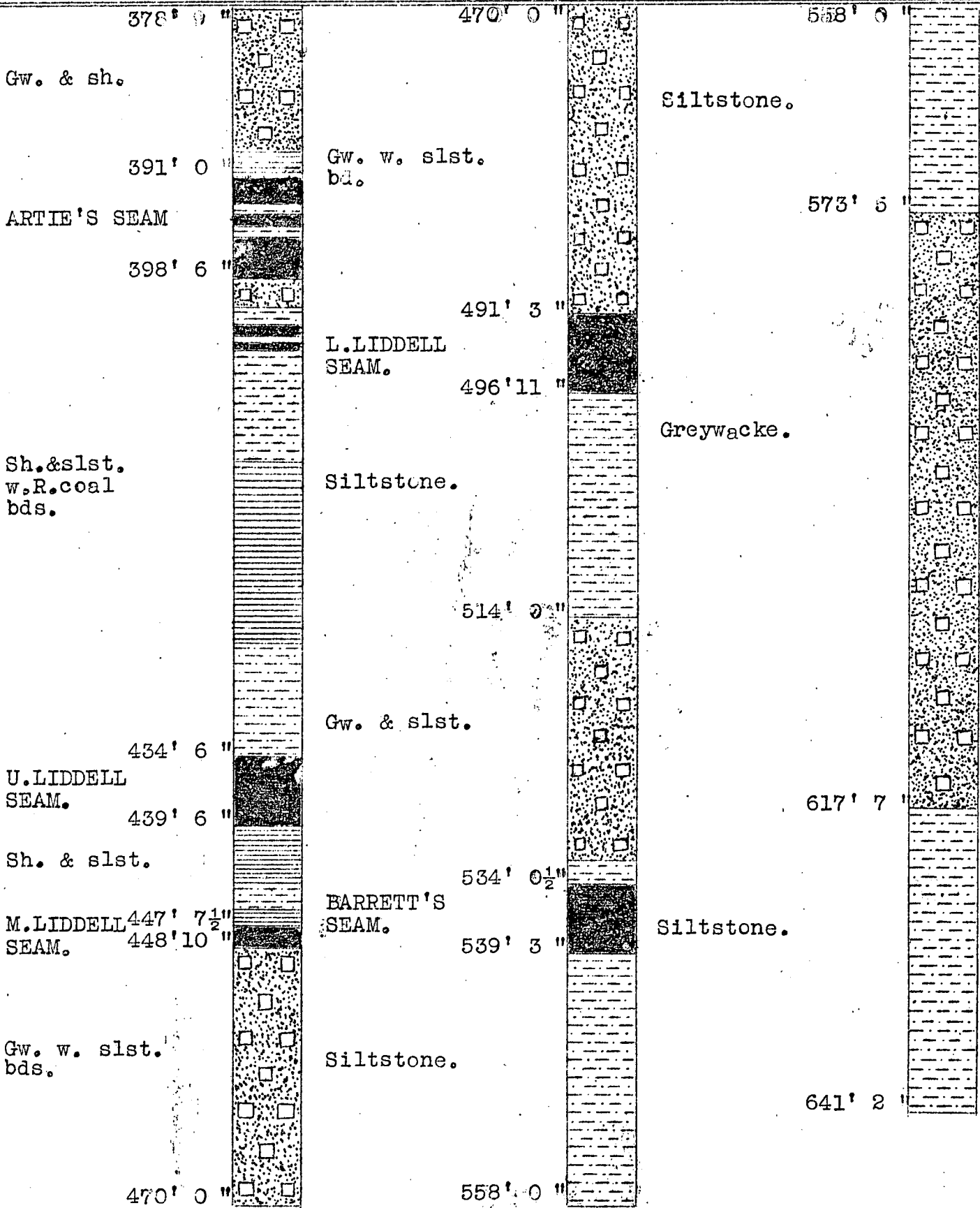
## COAL DETAIL (1"-2")



COMMONWEALTH OF AUSTRALIA  
Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.                      Hole NO: BMR 3(S)R                      Elevation: 545.1' ASL  
Reference: BMR Map N14/11C June, 1953                      Datum: Standard  
Begun: 25.11.52                      Finished: 11.12.52                      Depth: 641' 2"

STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 3(S) R

Elevation: 545.1' ASL

Reference: BMR Map N14/110, June 1953

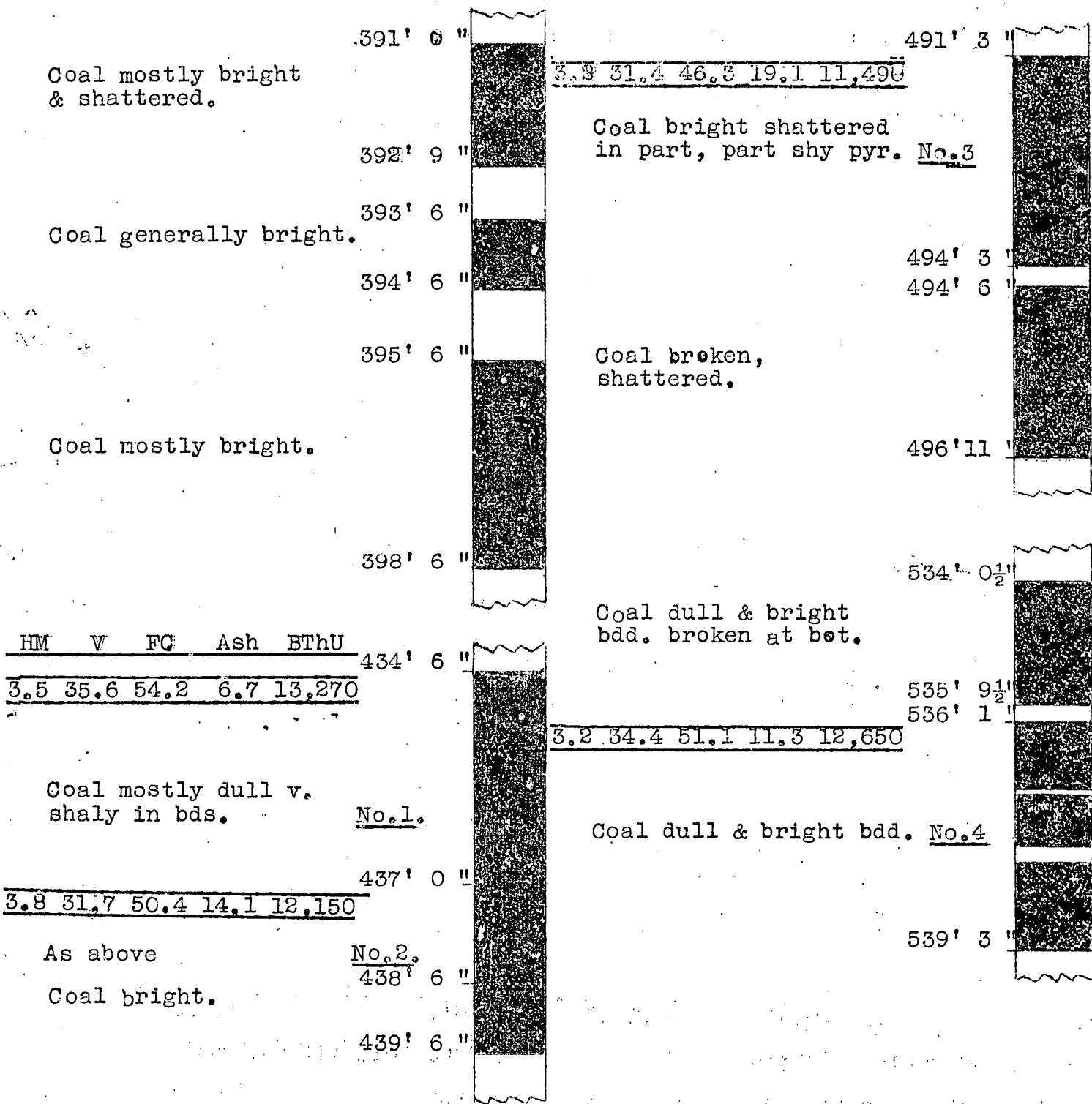
Datum: Standard

Begun: 25.11.52

Finished: 11.12.52

Depth: 641' 2"

COAL DETAIL (1"-2')



COMMONWEALTH OF AUSTRALIA

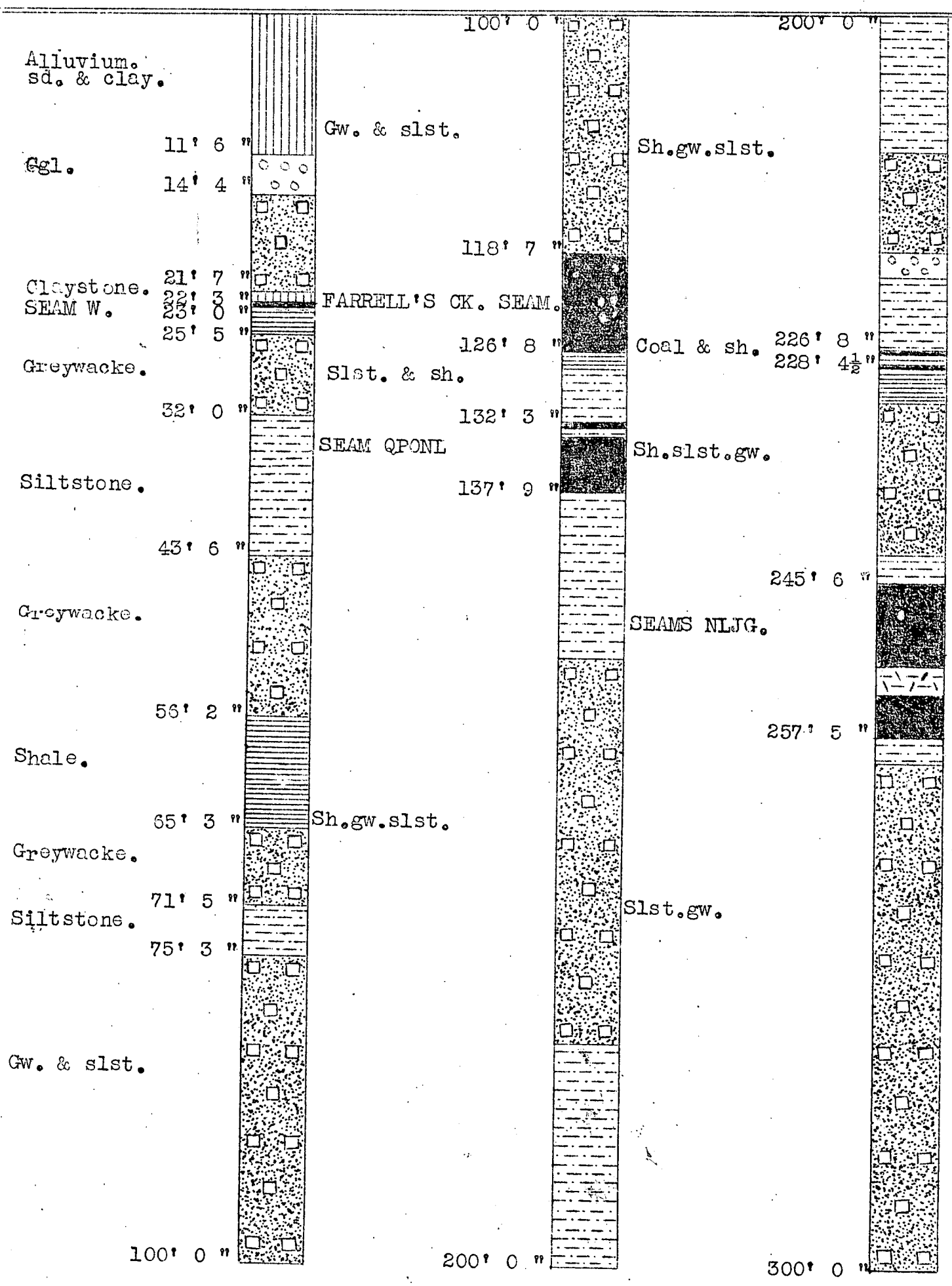
Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek      Hole No: BMR 4(S)      Elevation: 476.5' ASL

Reference: BMR Map N14/110, June, 1953      Datum: Standard

Begun: 12.12.52      Finished: 6.2.53      Depth: 598' 7"

STRATIGRAPHIC LOG (1"-10')

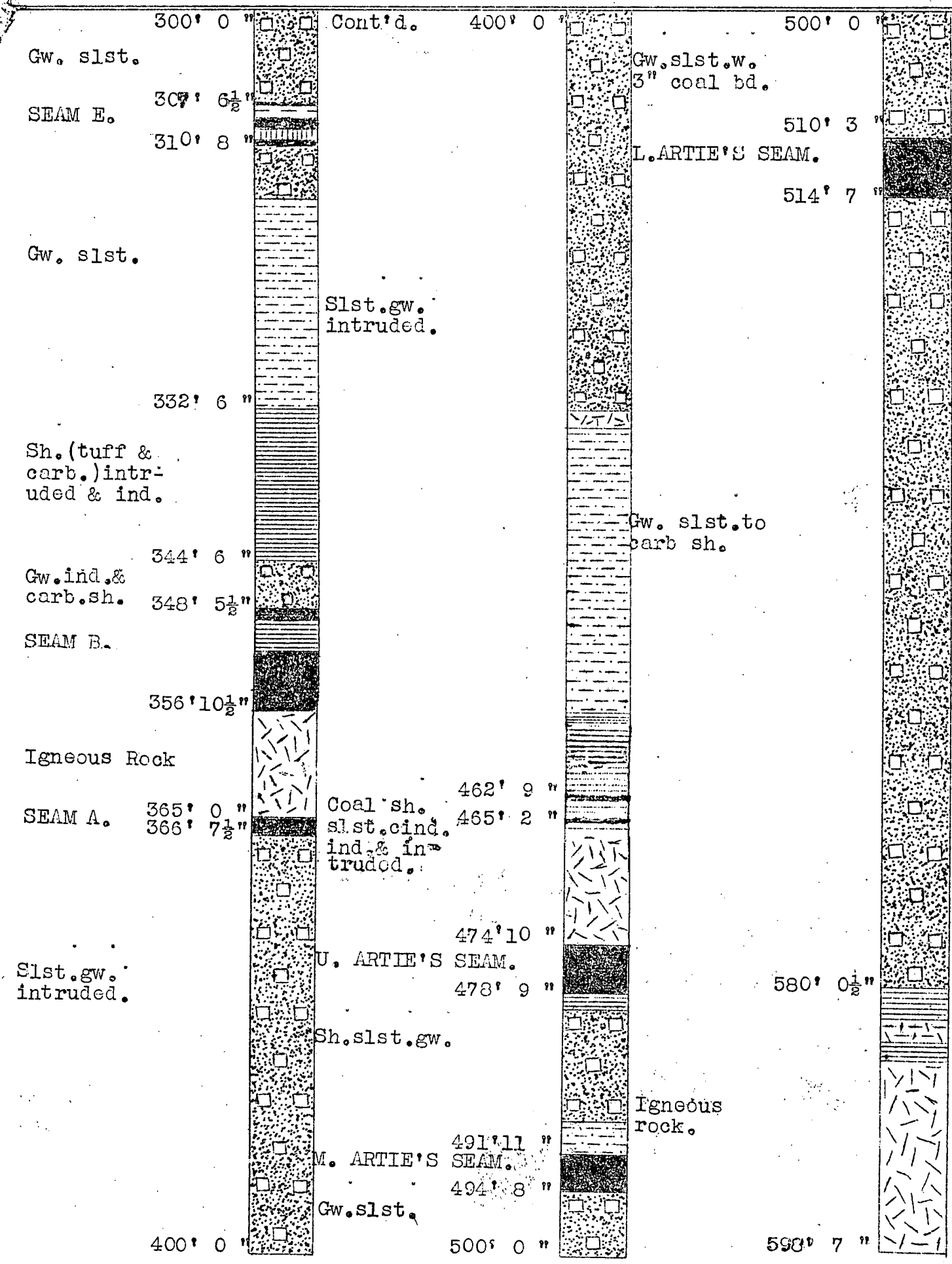


COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek      Hole No: BMR 4(S)      Elevation: 476.5' ASL  
Reference: BMR Map N14/110, June, 1953      Datum: Standard  
Begun: 12.12.52      Finished: 6.2.53      Depth: 598' 7"

STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics.

Area: Pond's Creek. Hole No: BMR 4S Elevation: 476.5' ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 12.12.52 Finished: 6.2.53 Depth: 598' 7"

COAL DETAIL (1"-2")

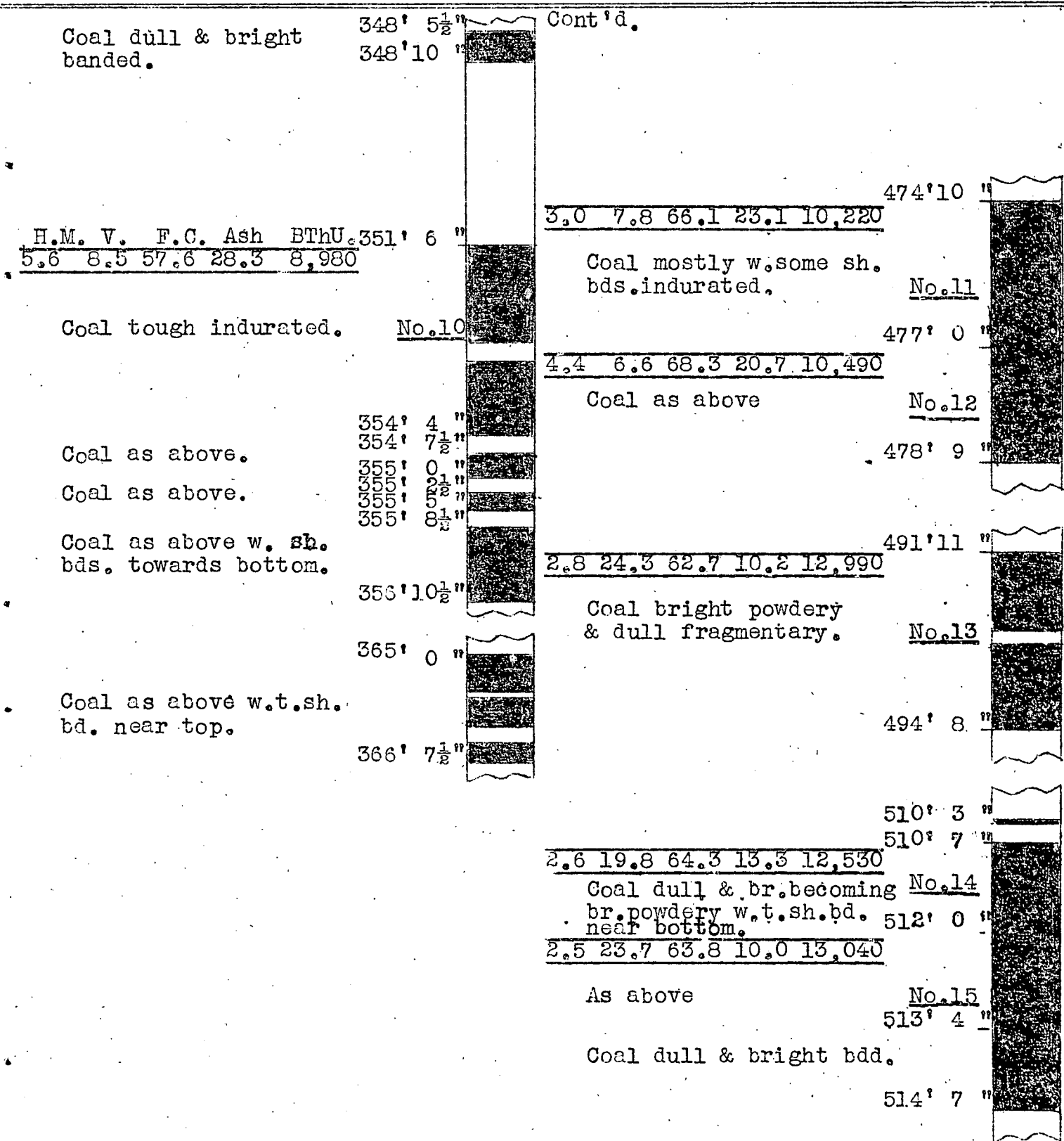
|                                                                            |              |                                                                               |             |  |
|----------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------|-------------|--|
|                                                                            |              | Coal dull & bright bdd. w. land.                                              | 245' 6"     |  |
|                                                                            |              |                                                                               | 245' 9"     |  |
|                                                                            |              | 3.7 26.1 57.2 13.0 12,040                                                     |             |  |
| H.M. V. F.C. Ash BThU.                                                     | 119' 2"      |                                                                               |             |  |
| 4.8 30.8 52.4 12.0 11,970                                                  |              |                                                                               |             |  |
| Coal mostly dull, fragmentary w. some bright.                              | No. 1        | Coal as above, mostly sh. cleavage, finely broken.                            | No. 6       |  |
|                                                                            | 120' 11 1/2" |                                                                               |             |  |
|                                                                            | 121' 0 1/2"  |                                                                               | 248' 8 1/2" |  |
| 4.8 32.1 57.4 5.7 12,990                                                   |              |                                                                               |             |  |
| Coal as above                                                              | No. 2        |                                                                               | 249' 7"     |  |
|                                                                            |              | 3.8 3.3 64.2 28.7 9,790                                                       |             |  |
|                                                                            | 123' 2 1/2"  | Coal mostly cindered, pyr. & baked w. bright coal developing metallic lustre. | No. 7       |  |
|                                                                            | 123' 4 1/2"  |                                                                               |             |  |
| 4.5 32.0 52.0 11.5 12,120                                                  |              |                                                                               | 252' 0"     |  |
| Coal dull & bright bdd. broken towards bot. & w. t. bd. l. br. sh. at bot. | No. 3        |                                                                               |             |  |
|                                                                            | 126' 8"      |                                                                               | 254' 2"     |  |
|                                                                            |              | 3.6 8.3 64.8 23.3 10,050                                                      | No. 8       |  |
| Coal dull & bright banded.                                                 | 127' 10"     | Coal w. metallic lustre as above.                                             | 255' 2"     |  |
|                                                                            | 128' 0"      |                                                                               | 255' 7 1/2" |  |
|                                                                            |              | 3.7 32.7 57.8 5.8 13,080                                                      |             |  |
| Coal dull & bright banded.                                                 | 132' 3"      | Coal dull & bright bdd mostly bright                                          | No. 9       |  |
|                                                                            | 132' 6 1/2"  |                                                                               | 257' 5"     |  |
|                                                                            | 133' 3 1/2"  |                                                                               |             |  |
|                                                                            | 133' 8 1/2"  |                                                                               |             |  |
| 4.4 29.7 53.0 12.9 11,950                                                  |              |                                                                               |             |  |
| Coal dull & bright bdd. mostly broken                                      | No. 4        | Coal dull & bright banded.                                                    | 307' 6 1/2" |  |
|                                                                            |              |                                                                               | 307' 8 1/2" |  |
|                                                                            | 135' 8 1/2"  |                                                                               | 308' 6"     |  |
| 4.2 30.9 54.1 10.8 12,290                                                  |              | Coal dull & bright bdd. w. 3/4" bd. of br. sh.                                | 309' 6 1/2" |  |
| As above.                                                                  | No. 5        |                                                                               | 310' 1 1/2" |  |
|                                                                            | 137' 9"      | Coal dull & bright bdd. mostly bright.                                        | 310' 8"     |  |

COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics.

Area: Pond's Creek. Hole No: BMR 4(S) Elevation: 576.5' ASL  
Reference: BMR Map N1-110, June, 1953 Datum: Standard  
Begun: 12.12.52 Finished: 6.2.53 Depth: 598' 7"

COAL DETAIL (1"-2')



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 5(S) Elevation: 421.2' ASL

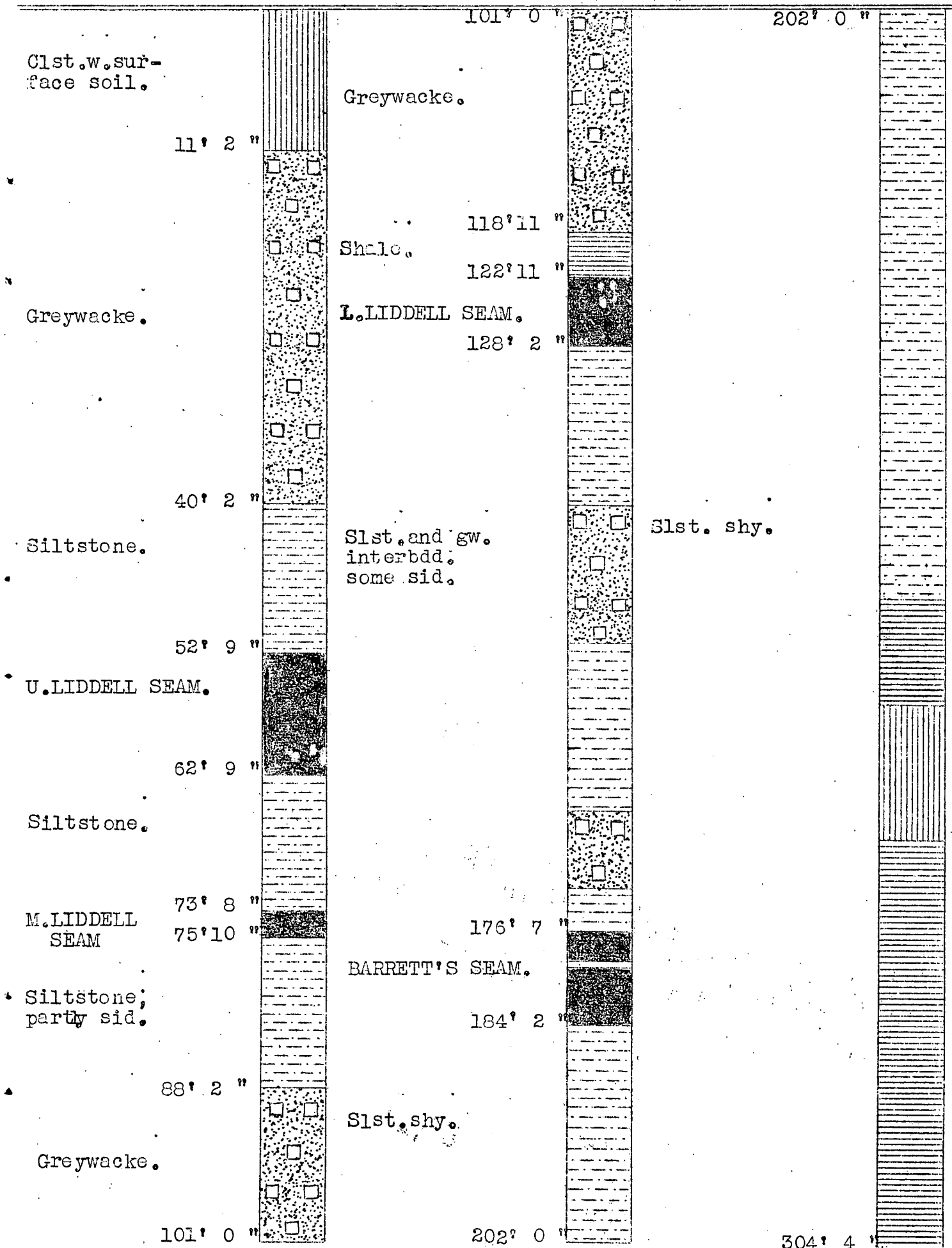
Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 18.11.52

Finished: 29.11.52 Depth: 304' 4 "

STRATIGRAPHIC LOG (1"-10')



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COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics.

Area: Pond's Creek.

Hole No. BMR 5 S

Elevation: 421.2' ASL

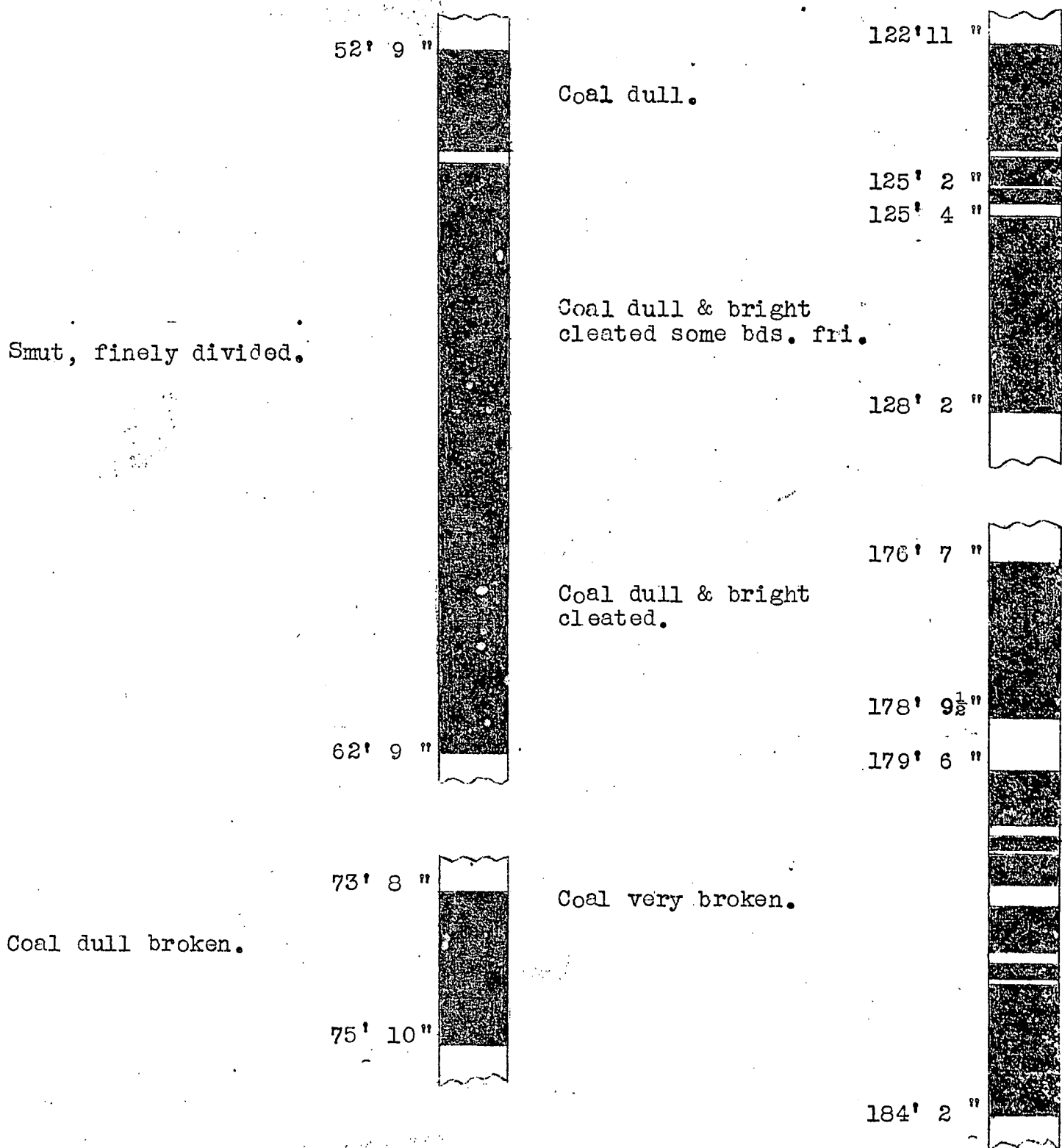
Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 18.11.52

Finished: 29.11.52 Depth: 304' 4"

COAL DETAIL (1"-2')



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 6(S)

Elevation: 336.4' ASL

Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 28.11.52

Finished: 3.12.52

Depth: 217' 8 "

STRATIGRAPHIC LOG (1"-10')

Silty clay.

11' 2 "

90' 0 "

180' 0 "

Siltstone.

Siltstone.

217' 8 "

Siltstone.

90' 0 "

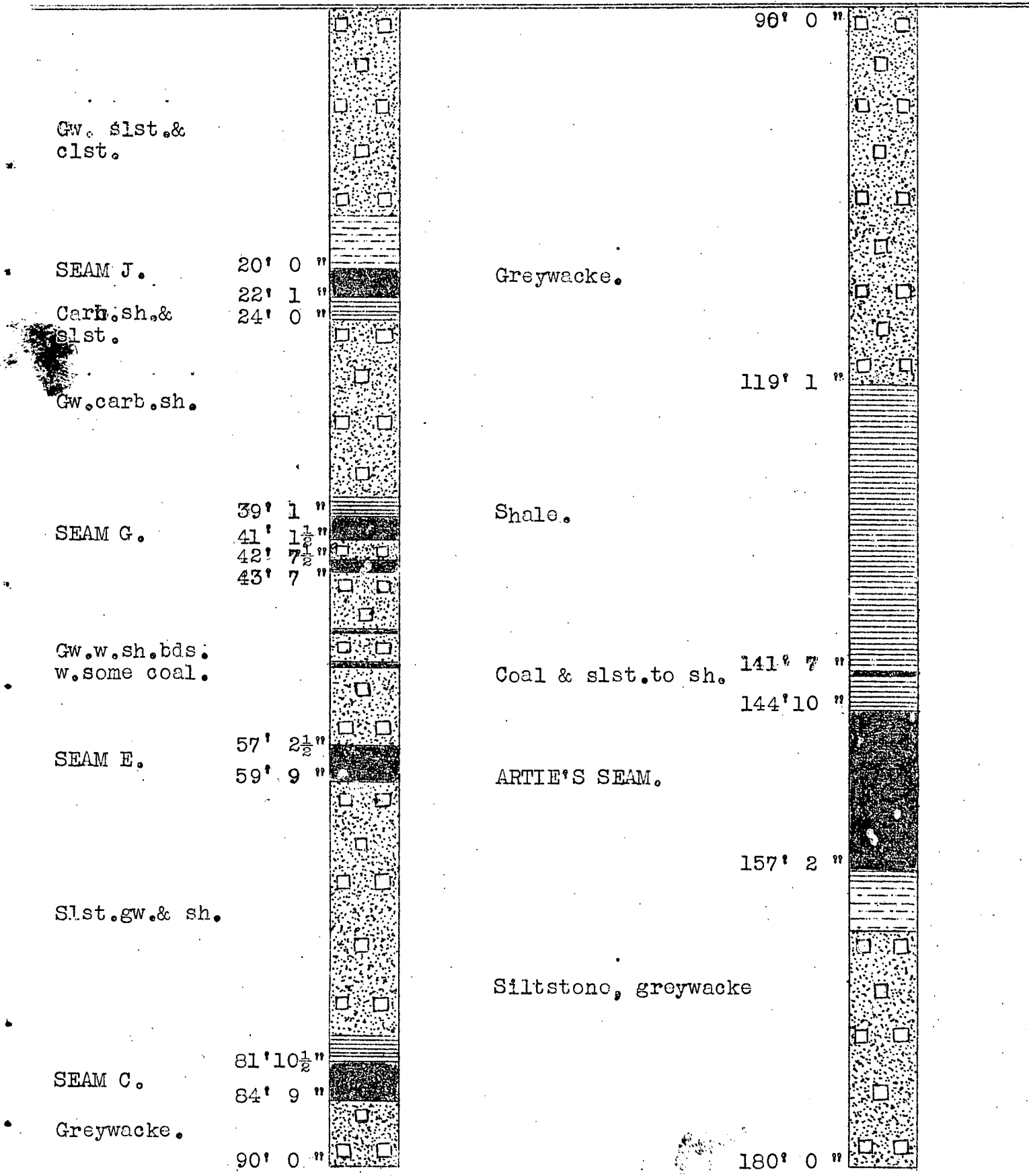
180' 0 "

COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek. Hole No: BMR 7(S) Elevation: 447.0' ASL  
 Reference: BMR Map N14/110, June, 1953 Datum: Standard  
 Begun: 4.12.52 Finished: 19.12.52 Depth: 369' 7 "

STRATIGRAPHIC LOG (1"-10")



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COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 7(S)

Elevation: 447.0' ASL

Reference: BMR Map N14/110, June, 1953

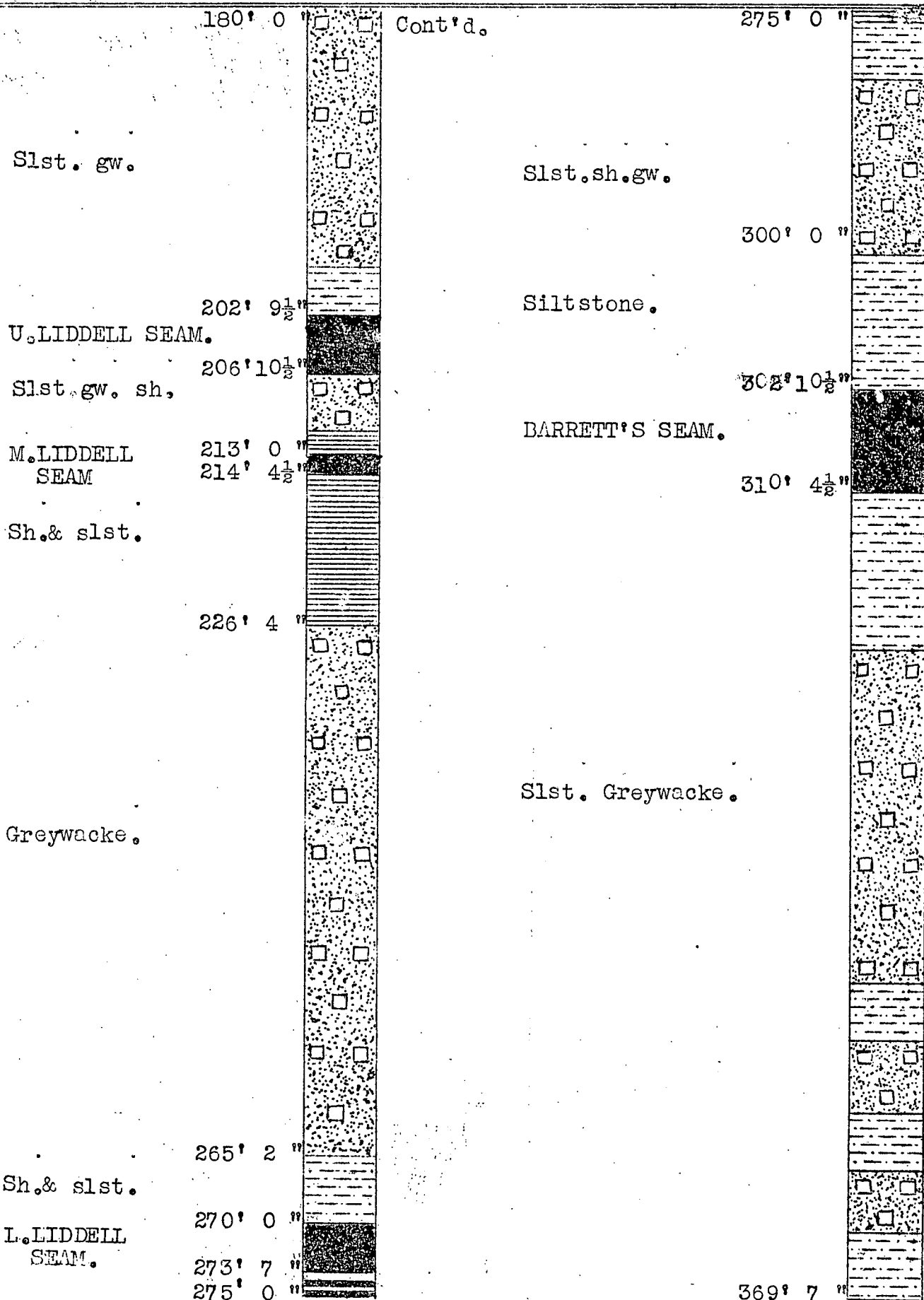
Datum: Standard

Begun: 4.12.52

Finished: 19.12.52

Depth: 369' 7 "

STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Pomd's Creek.

Hole No.: BMR 7S.

Elevation: 447.0' ASL

Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 4.12.52

Finished: 19.12.52

Depth: 369' 7"

COAL DETAIL (1"-2")

H.M. V. F.C. Ash BThU. 81' 10 1/2"  
3.4 32.8 52.2 11.6 12.420

Coal mostly bright.

No. 1

84' 9"

144' 10"

2.9 34.6 51.1 11.4 12,500

Coal dull & bright bdd.  
broken.

No. 2

149' 9"

150' 0"

Coal dull & bright  
banded, broken.

152' 7 1/2"

153' 4 1/2"

3.5 27.5 43.4 25.6 10,360

Coal dull & bright  
banded.

No. 3

154' 9 1/2"

155' 0 1/2"

Coal dull & bright  
banded.

157' 2"

3.3 31.5 50.5 14.7 12,000

202' 9 1/2"

Coal dull & bright  
bdd. w. foetid odour  
w. dull & br. bdd. w. odd  
coal & sh. fragments.

No. 4

206' 10 1/2"

270' 0"

Coal dull & bright.

271' 11"

272' 0"

3.7 27.2 40.3 28.3 9,730

Coal fragmentary, fri.

No. 5

273' 7"

302' 10 1/2"

3.7 29.7 49.6 17.0 11,590

Coal fragmentary.

No. 6

306' 11"

307' 1"

Coal dull & bright.

310' 4 1/2"

COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 8(S)

Elevation: 260.0' ASL

Reference: BMR Map N14/110, June, 1953

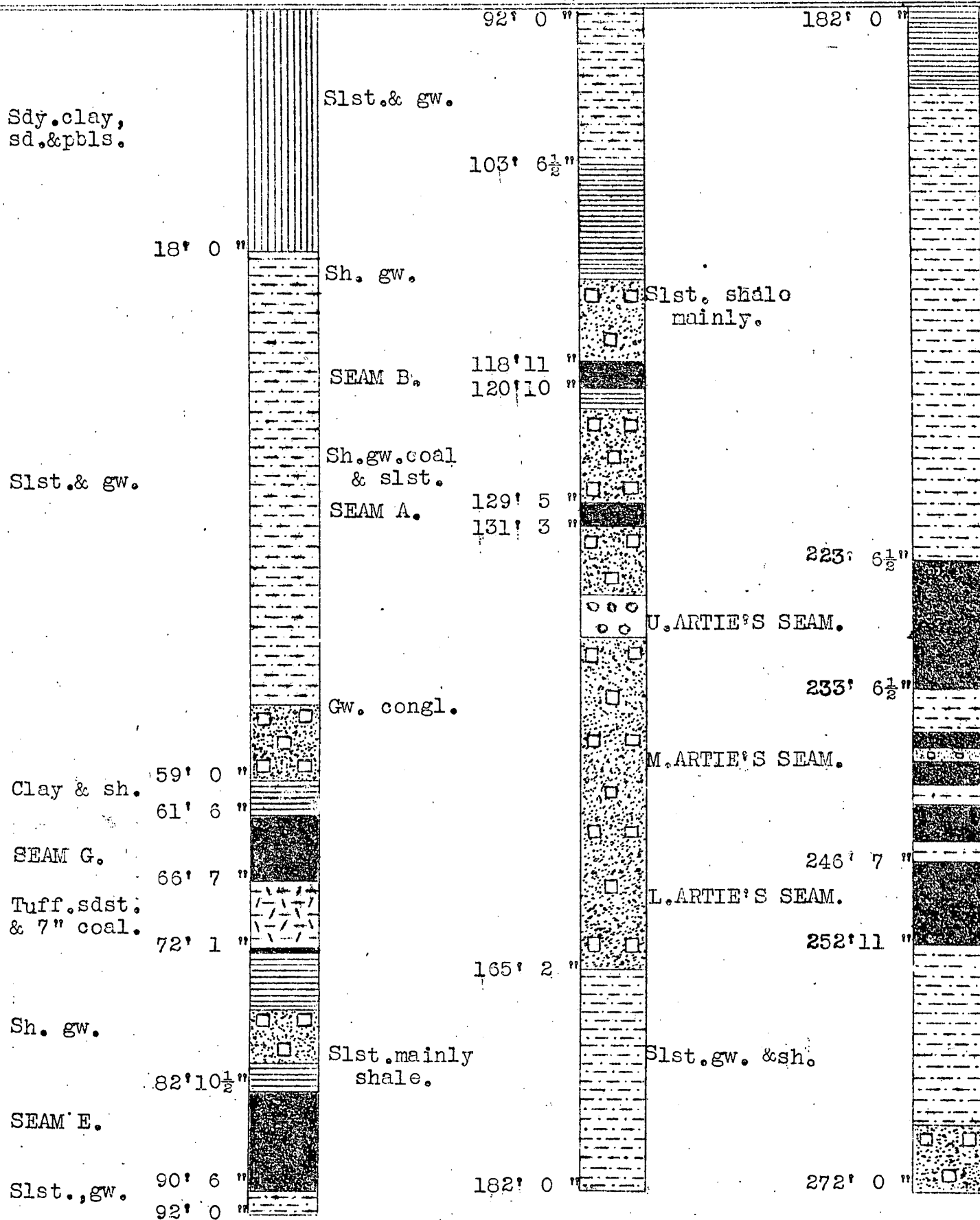
Datum: Standard

Begun: 19.1.53

Finished: 20.2.53

Depth: 411' 6"

STRATIGRAPHIC LOG (1"-10')



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COMMONWEALTH OF AUSTRALIA

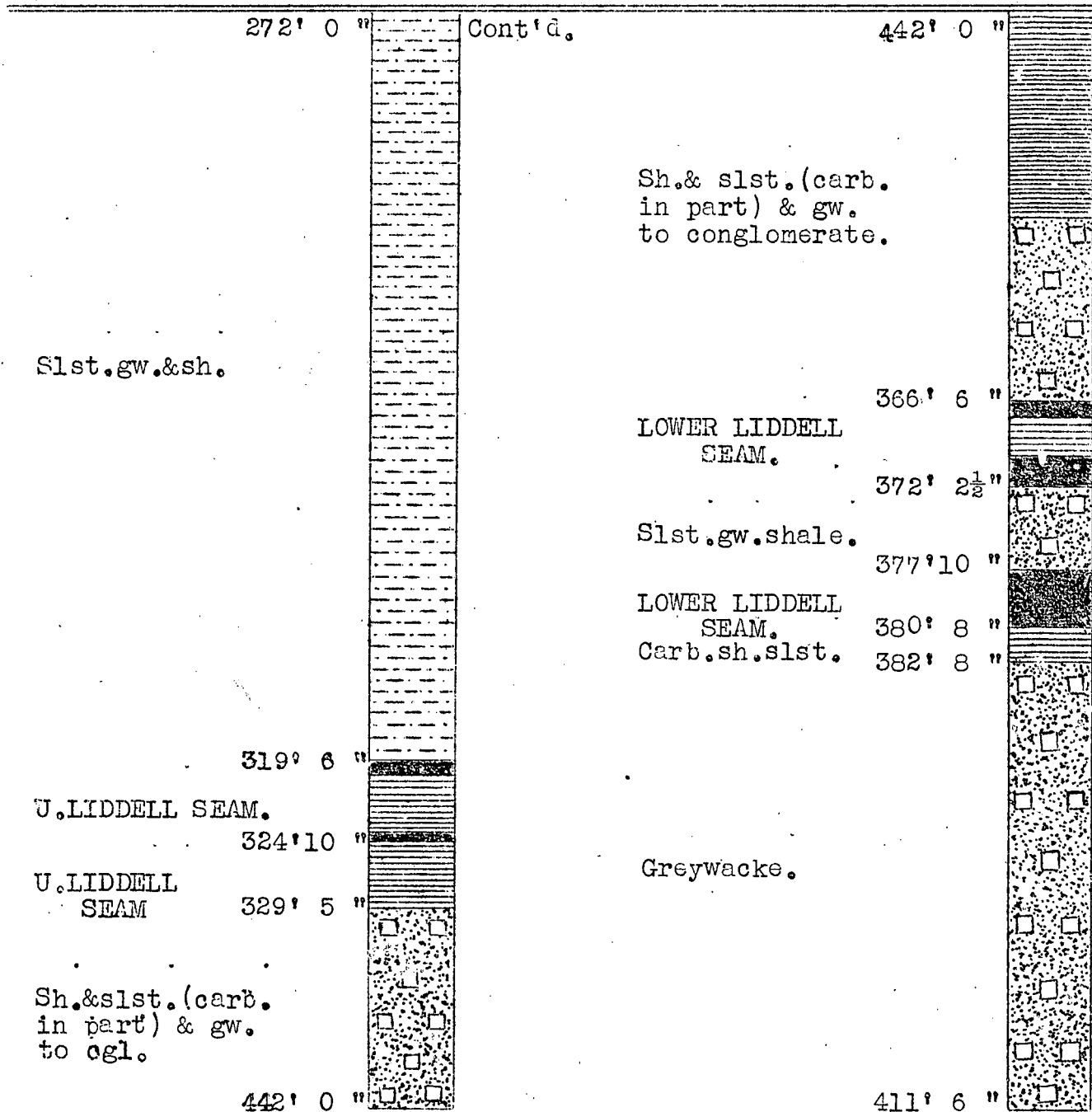
Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek. Hole No: BMR 8 (S) Elevation: 260.0' ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 19.1.53 Finished: 20.2.53 Depth: 411' 6 "

Stratigraphic Log (L"-10')

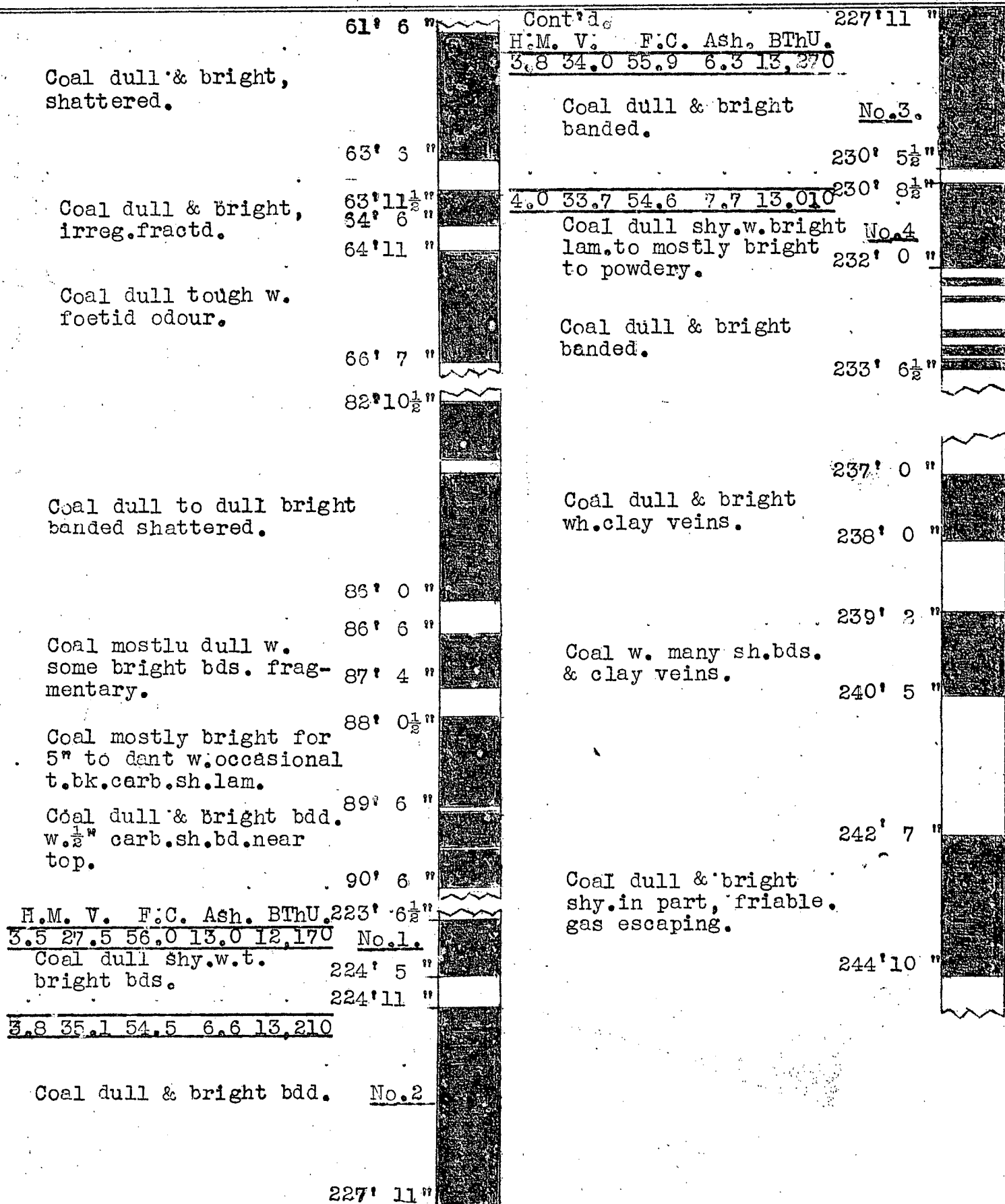


COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek      Hole No.: BMR 8S      Elevation: 260.0' ASL  
Reference: BMR Map N14/110, June 1953      Datum: Standard  
Begun: 19.1.53      Finished: 20.2.53      Depth: 411' 6"

COAL DETAIL (1"-2')



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COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics.

Area: Pond's Creek      Hole No: BMR 8 S      Elevation: 260.0' ASL  
Reference: BMR Map N14/110, June, 1953      Datum: Standard  
Begun: 19.1.53      Finished: 20.2.53      Depth: 411' 6"

COAL DETAIL (1" - 2')

Cont'd.

Coal dull friable.

246' 7"

247' 3"

Shale, bk.coaly some slst.  
interbdd. all friable.

249' 8"

249' 10"

4.3 35.0 55.0 5.7 13.270

Coal dull & bright, mostly  
bright w. wh. min. on fract. No. 5  
planes.

252' 11"

369' 11"

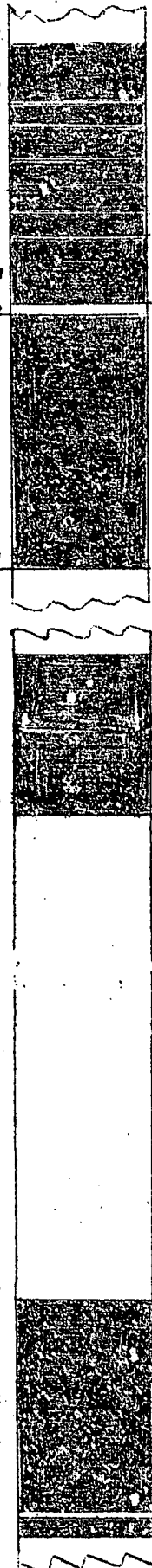
Coal dull, shaly.

371' 11½"

377' 10"

Coal dull shaly with bright  
laminae.

380' 8"



59  
COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek.

Hole No: BMR 8(S)R Elevation: 260.0' ASL

Reference: BMR Map N14/110, June, 1953

Datum: Standard

Begun: 23.2.53

Finished 27.2.53

Depth: 100' 5"

STRATIGRAPHIC LOG (1"-10')

COAL DETAIL (1"-2')

Clay to sdy  
clayw.bds.  
of sd.and  
gravel.

30' 0"

30' 0"

Gw. & slst.

36' 4"

66' 4"

3' 2"

SEAM G.

69' 6"

1' 2 $\frac{1}{2}$ "

70' 8 $\frac{1}{2}$ "

Sh. & tuff.  
greywacke

7' 8 $\frac{1}{2}$ "

78' 5"

Sh. gw. &  
slst.

11' 5"

89' 10"

SEAM E.

4' 4"

94' 2"

2' 3"

96' 5"

SEAM E.

97' 5"

1' 0"

100' 5"

Coal dull w.v.f.br. ?  
smut.

89' 10"

90' 10"

HM. V. FC. Ash BThU. 91' 3"  
3.8 30.0 52.4 13.8 12.140

Coal dull w.br.lam.  $\frac{1}{4}$   
bds.w.some sh.lam.at  
bottom.

No.1

94' 2"

Coal dull & br.lam.d.w.  
R.t.sh.band.

96' 5"

97' 5"

POND'S CREEK SUBAREA .  
(Test Boreholes)

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 1T

Elevation: 523.1' ASL

Reference: BMR Map N14/110 June 1953.

Datum: Standard

Begun: 25.11.52

Finished: 27.11.52

Depth: 98' 0"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

Shale &amp; slst. 30' 0"

30' 0" Artie's  
33' 0" Seam

Shale 13' 8"

46' 8"

Greywacke 19' 7"

66' 3"

Slst. &amp; shale 14' 4"

80' 0 $\frac{1}{2}$ "

86' 6" Siltstone

Greywacke 11' 6"

98' 0"

| HM  | V    | FC   | Ash | BThU  |
|-----|------|------|-----|-------|
| 3.9 | 34.9 | 51.7 | 9.5 | 12640 |

Coal dull & bright  
cleated, bkn., friable  
finely divided.

|     |      |      |      |       |
|-----|------|------|------|-------|
| 3.7 | 34.4 | 47.5 | 14.4 | 11940 |
|-----|------|------|------|-------|

Coal dull bkn. some  
very broken.

|     |      |      |      |       |
|-----|------|------|------|-------|
| 3.7 | 33.3 | 51.2 | 11.8 | 12300 |
|-----|------|------|------|-------|

Coal friable bkn.  
cleated f. divided.80' 0 $\frac{1}{2}$ "

83' 4"

85' 1"

86' 6"

2' 7 $\frac{1}{2}$ "

1' 9"

1' 5"

## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pand's Creek

Hole No: BMR 2T

Elevation: 475.2' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 26.11.52

Finished: 1.12.52

Depth: 116' 0"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

Gw. clst.

36' 9 $\frac{1}{2}$ "36' 9 $\frac{1}{2}$ "Sh. w.  $\frac{1}{2}$ "  
coal bd.12' 1 $\frac{1}{2}$ "

48' 11"

54' 8"

Lower  
Lindell  
SeamSh. slst.  
& gw.

43' 1"

97' 9"

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 4.3 | 32.9 | 48.0 | 14.8 | 11800 |

Coal dull & bright  
cleated shaly.

48' 11"

1' 5"

50' 4"

50' 9"

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 4.0 | 34.4 | 50.2 | 11.4 | 12310 |

Coal dull & bright  
shaly.51' 5 $\frac{1}{2}$ "1' 7 $\frac{1}{2}$ "

52' 0"

52' 4 $\frac{1}{2}$ "

52' 7"

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 4.3 | 30.0 | 45.5 | 20.2 | 11020 |

Coal dull & bright  
cleated shaly in part.

54' 8"

97' 9"

| HM  | V    | FC   | Ash | BThU  |
|-----|------|------|-----|-------|
| 3.7 | 36.8 | 51.9 | 7.6 | 13030 |

Coal generally bright  
broken to fragmentary

2' 0"

Coal bright.

99' 9"

100' 5 $\frac{1}{2}$ "

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 4.4 | 33.4 | 51.7 | 10.5 | 12430 |

Coal generally dull.  
Coal dull fragmentary101' 2 $\frac{1}{2}$ "

1' 6"

101' 11 $\frac{1}{2}$ "102' 3 $\frac{1}{2}$ "

| HM  | V    | FC   | Ash | BThU  |
|-----|------|------|-----|-------|
| 4.4 | 34.9 | 53.0 | 7.7 | 12920 |

Coal dull with bright  
bands.

2' 4"

Coal bright.

104' 1 $\frac{1}{2}$ "104' 7 $\frac{1}{2}$ "

## STRATIGRAPHIC LOG (1"-10')

BARRETT'S SEAM

97' 9"

Cont.  
6' 10 $\frac{1}{2}$ "104' 7 $\frac{1}{2}$ "

Greywacke

11' 4 $\frac{1}{2}$ "

116' 0"

COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 3T

Elevation: 367.4' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 27.11.52

Finished: 3.12.52

Depth: 80' 0"

STRATIGRAPHIC LOG (1"-10')

Sandy clay

20' 0"

20' 0"

Claystone

10' 0"

30' 0"

Shale

50' 0"

80' 0"

## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 4T

Elevation: 377.1' ASL

Reference: BMR Map N14/110, June, 1953.

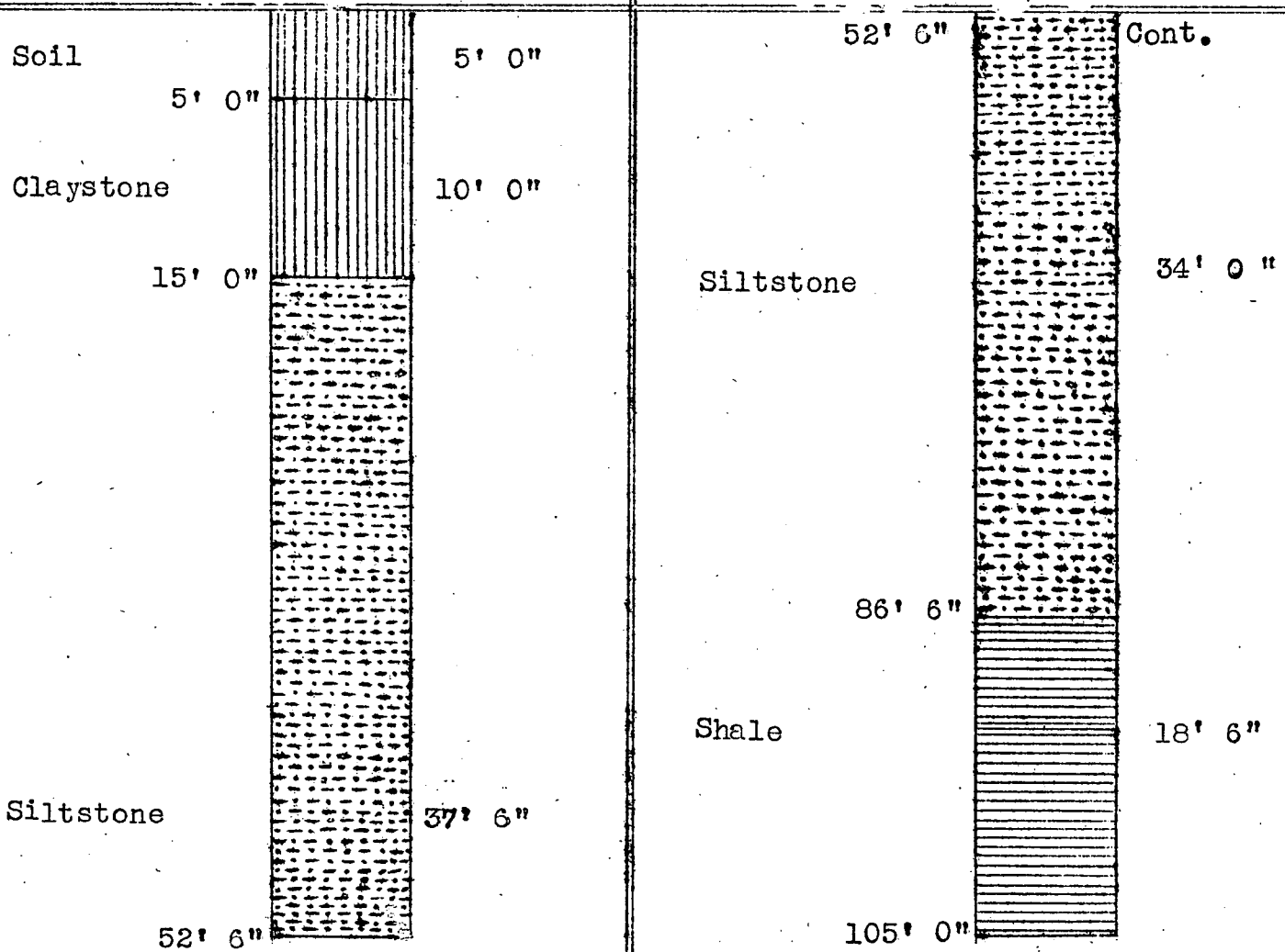
Datum: Standard

Begun: 3.12.52

Finished: 10.12.52

Depth: 105' 0"

## STRATIGRAPHIC LOG (1"-10")



## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 5T

Elevation: 392.9' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

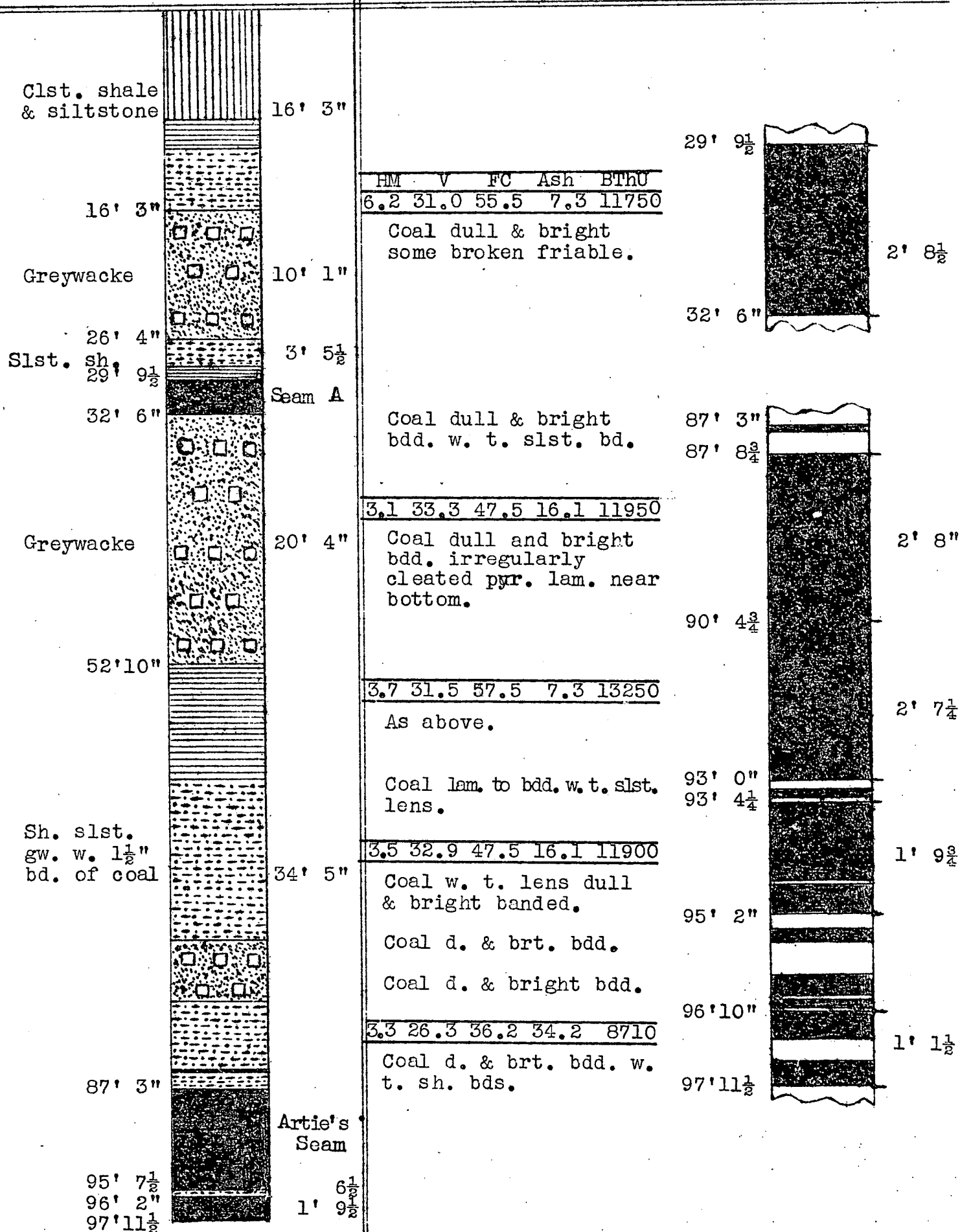
Begun: 10.12.52

Finished: 10.1.53

Depth: 170' 0"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')



## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: 57

Elevation: 392.9' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 10.12.52

Finished: 10.1.53

Depth: 170' 0"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

|                      |                     |
|----------------------|---------------------|
| 97' 11 $\frac{1}{2}$ | Cont.               |
| Gw. slst.            | 43' 0 $\frac{1}{2}$ |
| 141' 0"              | 4' 6"               |
| Shale                | 7' 1"               |
| 145' 6"              | Upper Liddell Seam  |
| 152' 7"              | 7' 0"               |
| Sh. slst. gw.        | Middle Liddell Seam |
| 159' 7"              | 7' 7"               |
| 162' 5"              | Greywacke           |
| 170' 0"              |                     |

| HM  | V    | FC   | Ash | BThU  |
|-----|------|------|-----|-------|
| 3.3 | 32.5 | 54.8 | 9.4 | 12980 |

Coal dull w. t. brt. bds. to d. &amp; brt. bdd.

| HM  | V    | FC   | Ash | BThU  |
|-----|------|------|-----|-------|
| 3.1 | 35.3 | 52.8 | 8.3 | 13090 |

Coal as above: 1' 9" irreg. fract. w. wh. min. on fract. plane.

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 3.1 | 30.6 | 43.6 | 22.7 | 10980 |

Coal d. &amp; brt. lamd. banded broken.

|                       |                    |
|-----------------------|--------------------|
| 145' 6"               |                    |
| 146' 1"               |                    |
| 146' 4 $\frac{1}{2}$  | 3' 1"              |
| 148' 7"               | 2' 3"              |
| 150' 10"              | 1' 7 $\frac{1}{2}$ |
| 150' 11 $\frac{1}{2}$ |                    |
| 152' 7"               |                    |
| 159' 7"               | 2' 10"             |
| 162' 5"               |                    |

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 6T

Elevation: 420.3' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 12.1.53

Finished: 23.1.53

Depth: 166' 0"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

Sand

5' 0"

5' 0"

Greywacke

6' 0"

Clay-11' 0"

2' 0"

stone 13' 0"

Greywacke

9' 6"

22' 6"

Siltstone

5' 0"

27' 6"

Greywacke

12' 0"

Iron-39' 6"

6"

stone 40' 0"

Mudstone, s.

4' 11 1/2"

Slst. 44' 11 1/2"

7 1/2"

to gw. 45' 7"

Seam C

48' 3"

49' 6"

Coal bright white  
veining partly  
granulated.

Greywacke

13' 1"

62' 7"

65' 4"

Seam B

66' 6"

Coal dull & bright  
broken bands.

Greywacke

13' 9"

Clst. 80' 3"

&amp; Irst. 84' 0"

86' 0"

3' 9"

Seam A

45' 7"

2' 8"

48' 3"

48' 8"

Coal brt. shattered.

49' 6"

10"

65' 4"

1' 2"

66' 6"

84' 0"

2' 0"

86' 0"

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 6T

Elevation: 420.3' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 12.1.53

Finished: 23.1.53

Depth: 166' 0"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

|              |  |             |
|--------------|--|-------------|
| 88' 0"       |  | Cont.       |
| Greywacke    |  | 13' 6"      |
| 99' 6"       |  |             |
| Slst.        |  |             |
| Clst.        |  |             |
| 104' 6"      |  |             |
| Greywacke    |  | 5' 6"       |
| 110' 0"      |  |             |
| Gw. slst.    |  |             |
| & clay-      |  |             |
| ironstone    |  | 17' 11 1/2" |
| 127' 11 1/2" |  |             |
| Coal         |  | 2 1/2"      |
| 128' 2"      |  |             |
| Gw. slst.    |  |             |
| & mudstone   |  | 13' 3"      |
| 141' 5"      |  |             |
| Slst.        |  | 2' 4 1/2"   |
| 143' 9 1/2"  |  |             |
| 152' 3"      |  | 8' 5 1/2"   |
| Gw.          |  | Artie's     |
| 152' 11"     |  | Seam        |
| 156' 7"      |  | 3' 8"       |
| Slst. & gw.  |  | 9' 5"       |
| 166' 0"      |  |             |

Coal d. w. brt. bds.

143' 9 1/2"

144' 3"

144' 6"

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 3.6 | 30.0 | 47.5 | 18.9 | 11120 |

Coal bright with dull  
bands broken fragment-  
ary.

3' 6"

148' 0"

148' 5 1/2"

148' 9"

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 3.4 | 34.3 | 54.3 | 17.0 | 11430 |

Coal dull with bright  
bands.

3' 7"

151' 7"

152' 1"

152' 3"

156' 2 1/2"

Coal with white  
mineral veining.

156' 2 1/2"

156' 4"

156' 7"

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 7T

Elevation: 446.1'ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 24.1.53

Finished: 4.2.53

Depth: 165'-0"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

Ss. clay. 2' 0" 2' 0"

Gw. w. clst.  
slst. & iron  
stone

42' 6"

44' 6"

46' 5"

Gw.

49' 6"

50' 4"

Seam C

Greywacke

20' 2"

70' 6"

72' 9"

Seam B

Gw. w. slst.

16' 7"

89' 4"

93' 6"

Seam A

Coal dull and bright  
banded.

44' 6"

46' 5"

49' 6"

50' 4"

Coal bright.

70' 6"

Coal & shale banded  
dull & bright  
fragmentary.

72' 9"

89' 4"

| HM  | V    | FC   | Ash | BThu  |
|-----|------|------|-----|-------|
| 3.6 | 33.2 | 55.2 | 8.0 | 12850 |

Coal dull and bright  
banded.

93' 6"

1' 11"

10"

2' 3"

4' 2"

COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

HOL ; NO: BMR 7T

Elevation: 446.1' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 24.1.53

Fi ished: 4.2.53

Depth: 165' 0"

[illegible]

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 8T

Elevation: 422.5' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 3.2.53

Finished: 24.2.53

Depth: 148' 6"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

Clay 2' 0" 2' 0"

Gw. w. iron-  
stone band 33' 0"Iron- 35' 0"  
stone 35' 4 1/2 4 1/2

Greywacke. 11' 2 1/2"

46' 7"  
49' 9" Artie's  
SeamClaystone s.  
with coal 13' 9"

63' 6"

Gw. c. & f.  
grd. w. iron-  
stone & alst.  
bands. 19' 6"

83' 0"

Greywacke. 7' 0"

90' 0"

46' 7"

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 4.1 | 30.6 | 46.6 | 18.7 | 11270 |

Coal dull with bright  
bands broken slst.  
bds. shattered.

3' 2"

49' 9"

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 8T

Elevation: 422.5' ASL

Reference: BMR Map N14/110 June 1953.

Datum: Standard

Begun: 3.2.53

Finished: 24.2.53

Depth: 148' 6"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

90' 0"

Cont.

Greywacke

22' 7"

Slst. clst.  
greywacke  
& coal.

8' 7"

121' 2"

Upper  
Liddell  
Seam

130' 0"

Gw. w. slst.  
& ironstone

18' 6"

148' 6"

121' 2"

Coal dull.

122' 0"

Coal (Core barrel jammed.)

123' 6"

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 3.8 | 33.7 | 49.5 | 13.0 | 12230 |

Coal dull and bright  
banded, fragmentary.

6' 6"

130' 0"

## Bureau of Mineral Resources, Geology and Geophysics

Elevation: 422.5' ASL

Datum: Standard

Depth: 136' 6"

COAL DETAIL (1"-2')

| Clay                             | 3' 0"  | 3' 0"        | Coal dull with bright bands, broken.    | 47' 0"                 |                       |
|----------------------------------|--------|--------------|-----------------------------------------|------------------------|-----------------------|
|                                  |        |              |                                         | 48' 0"                 |                       |
|                                  |        |              |                                         | 48' 7"                 |                       |
|                                  |        |              |                                         |                        | 1' 11"                |
| Gw. w. t. clst. & sideritic bds. | 32' 0" |              | Coal brt. w. d. bds. bkn. & shattered.  | 50' 6"                 |                       |
|                                  |        |              |                                         | 50' 10 $\frac{1}{2}$ " |                       |
|                                  |        |              |                                         |                        | 1' 11 $\frac{1}{2}$ " |
|                                  |        |              |                                         | 52' 10"                |                       |
| Clay 35' 0"                      |        | 2' 6"        |                                         |                        | 2' 0"                 |
| ironstone gw. 37' 6"             |        |              |                                         |                        |                       |
| slst. & claystone                | 9' 6"  |              | Coal dull & bright handed.              | 54' 10"                |                       |
|                                  |        | 1' 7"        |                                         |                        | 2' 2"                 |
| Coal & slst. bds.                |        |              | Coal bright banded fragmentary.         | 57' 0"                 |                       |
|                                  |        | 9' 5"        |                                         | 57' 3"                 |                       |
|                                  |        | Artie's Seam | Coal d. & brt. bds.                     | 58' 0"                 |                       |
|                                  |        |              |                                         | 58' 6"                 |                       |
| Coal & gw bdd. 58' 0"            |        | 4' 11"       | Coal dull                               | 58' 9"                 |                       |
|                                  |        |              | Coal bright, broken.                    |                        |                       |
|                                  |        | 6' 7"        |                                         | 59' 9"                 |                       |
| Claystone                        |        |              | Coal d. w. brt. bds.                    | 60' 4"                 |                       |
| 69' 6"                           |        |              |                                         | 60' 9"                 |                       |
|                                  |        |              | Coal bright, broken.                    | 61' 0 $\frac{1}{2}$ "  |                       |
| Gw. f. w. sideritic bands.       | 14' 0" |              |                                         | 62' 1 $\frac{1}{2}$ "  |                       |
|                                  |        |              | Coal bright with dull bands, shattered. | 62' 11"                |                       |
|                                  |        |              |                                         |                        |                       |
| 83' 6"                           |        |              |                                         |                        |                       |
| Greywacke.                       | 6' 6"  |              |                                         |                        |                       |
| 90' 0"                           |        |              |                                         |                        |                       |

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 8(T)R

Elevation: 422.5' ASL

Reference: BMR map N14/110 June 1953.

Datum: Standard

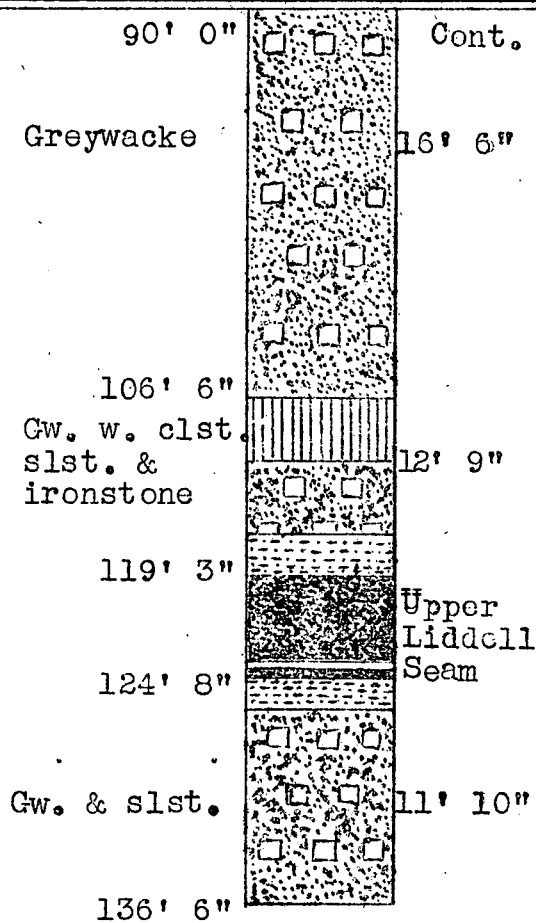
Begun: 24.2.53

Finished: 3.3.53

Depth: 136' 6"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

Coal dull shattered  
at base.

119' 3"

120' 6"

No recovery.

Coal d. fragmentary

123' 6"

124' 0"

Coal as above.

124' 2"

124' 8"



## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 9T

Elevation: 392.0' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 3.3.53

Finished: 18.3.53

Depth: 242' 6"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

Clay 5' 0" 5' 0"

Gw. w. slst. bands. 27' 10"

Slst. 32' 10" 2' 6"  
35' 4"  
37' 1" Seam C

Gw. m. grd. w. slst. &amp; 2" coal 22' 9"

57' 8" Seam B  
59' 4"

F. Grd. gw. w. slst. &amp; ironstone 16' 7"

76' 11" Seam A  
79' 0"

Gw. w. cl. ironst. bds. 11' 0"

90' 0"

Coal d. w. wh. mineral veining. 35' 4"  
35' 11"Coal brt. w. white veining. 36' 11"  
37' 1"Coal dull with bright bds. white veining. 57' 8"  
59' 4"Coal dull with thin bright bands. 76' 11"  
79' 0"

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 9T

Elevation: 392.0' ASL

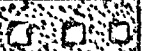
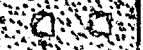
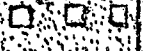
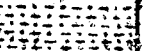
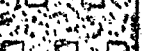
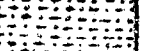
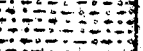
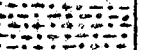
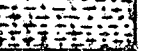
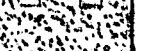
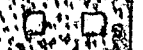
Reference: BMR Map N14/110 June 1953.

Datum; Standard

Begun: 3.3.53

Finished: 18.3.53

Depth: 242'6"

| STRATIGRAPHIC LOG (1"-10')                  |                                                                                     |                  | COAL DETAIL (1"-2')                                                                                                                                                                              |                                                                                     |   |    |     |      |     |      |      |      |       |        |
|---------------------------------------------|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|----|-----|------|-----|------|------|------|-------|--------|
| 90' 0"                                      |    | Cont.            |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| Gw. w. clay-<br>Ironstone<br>bands.         |    | 16' 0"           |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| 106' 0"                                     |    |                  |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| Siltstone                                   |    | 5' 0"            |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| 111' 0"                                     |    |                  |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| Greywacke.                                  |    | 10' 0"           | 146' 6"                                                                                                                                                                                          |  |   |    |     |      |     |      |      |      |       |        |
| 121' 0"                                     |  |                  | <table> <tr> <th>HM</th><th>V</th><th>FC</th><th>Ash</th><th>BThU</th></tr> <tr> <td>3.1</td><td>32.8</td><td>50.3</td><td>13.8</td><td>12210</td></tr> </table> Coal dull with bright<br>bands. | HM                                                                                  | V | FC | Ash | BThU | 3.1 | 32.8 | 50.3 | 13.8 | 12210 | 2' 10" |
| HM                                          | V                                                                                   | FC               | Ash                                                                                                                                                                                              | BThU                                                                                |   |    |     |      |     |      |      |      |       |        |
| 3.1                                         | 32.8                                                                                | 50.3             | 13.8                                                                                                                                                                                             | 12210                                                                               |   |    |     |      |     |      |      |      |       |        |
|                                             |  |                  | 149' 4"                                                                                                                                                                                          |                                                                                     |   |    |     |      |     |      |      |      |       |        |
|                                             |  |                  | 149' 7½"                                                                                                                                                                                         |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| Slst. & g.<br>grd. gw.<br>w. iron-<br>stone |  | 25' 8"           | <table> <tr> <th>HM</th><th>V</th><th>FC</th><th>Ash</th><th>BThU</th></tr> <tr> <td>3.0</td><td>30.1</td><td>45.8</td><td>21.1</td><td>11160</td></tr> </table> Coal dull and bright<br>banded. | HM                                                                                  | V | FC | Ash | BThU | 3.0 | 30.1 | 45.8 | 21.1 | 11160 | 2' 5"  |
| HM                                          | V                                                                                   | FC               | Ash                                                                                                                                                                                              | BThU                                                                                |   |    |     |      |     |      |      |      |       |        |
| 3.0                                         | 30.1                                                                                | 45.8             | 21.1                                                                                                                                                                                             | 11160                                                                               |   |    |     |      |     |      |      |      |       |        |
|                                             |  |                  | 152' 0½"                                                                                                                                                                                         |                                                                                     |   |    |     |      |     |      |      |      |       |        |
|                                             |  |                  | 152' 6½"                                                                                                                                                                                         |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| 146' 6"                                     |  |                  | <table> <tr> <th>HM</th><th>V</th><th>FC</th><th>Ash</th><th>BThU</th></tr> <tr> <td>3.1</td><td>31.9</td><td>49.3</td><td>15.7</td><td>11940</td></tr> </table> Coal d. w. brt. bds.            | HM                                                                                  | V | FC | Ash | BThU | 3.1 | 31.9 | 49.3 | 15.7 | 11940 | 1' 6"  |
| HM                                          | V                                                                                   | FC               | Ash                                                                                                                                                                                              | BThU                                                                                |   |    |     |      |     |      |      |      |       |        |
| 3.1                                         | 31.9                                                                                | 49.3             | 15.7                                                                                                                                                                                             | 11940                                                                               |   |    |     |      |     |      |      |      |       |        |
|                                             |  | 9' 2"            | 154' 1½"                                                                                                                                                                                         |                                                                                     |   |    |     |      |     |      |      |      |       |        |
|                                             |  | Artie's<br>Seam. | 154' 3½"                                                                                                                                                                                         |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| 155' 8"                                     |  |                  | <table> <tr> <th>HM</th><th>V</th><th>FC</th><th>Ash</th><th>BThU</th></tr> <tr> <td>3.2</td><td>30.8</td><td>46.5</td><td>19.5</td><td>11280</td></tr> </table> Coal d. w. brt. bds.<br>broken. | HM                                                                                  | V | FC | Ash | BThU | 3.2 | 30.8 | 46.5 | 19.5 | 11280 | 1' 4½" |
| HM                                          | V                                                                                   | FC               | Ash                                                                                                                                                                                              | BThU                                                                                |   |    |     |      |     |      |      |      |       |        |
| 3.2                                         | 30.8                                                                                | 46.5             | 19.5                                                                                                                                                                                             | 11280                                                                               |   |    |     |      |     |      |      |      |       |        |
| Clst. & slst.                               |  | 3' 1"            | 155' 8"                                                                                                                                                                                          |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| 158' 9"                                     |  |                  |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
|                                             |  |                  |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| Greywacke                                   |  | 21' 3"           |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |
| 180' 0"                                     |  |                  |                                                                                                                                                                                                  |                                                                                     |   |    |     |      |     |      |      |      |       |        |

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 9T

Elevation: 392.0' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

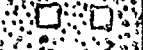
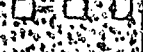
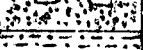
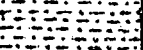
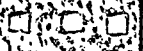
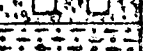
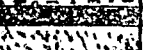
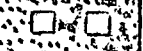
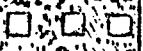
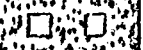
Begun: 3.3.53

Finished: 18.3.53

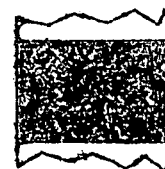
Depth: 242' 6"

## STRATIGRAPHIC LOG (1"-10')

## COAL DETAIL (1"-2')

|             |                                                                                     |                           |
|-------------|-------------------------------------------------------------------------------------|---------------------------|
| 180' 0"     |    | Cont.                     |
| Greywacke   |    | 21' 10"                   |
|             |    |                           |
|             |    |                           |
| 201' 10"    |    |                           |
| Siltstone   |    | 5' 5"                     |
| 207' 3"     |  | UPPER<br>LIDDELL<br>SEAM  |
| 213' 10"    |  |                           |
| Slst. & gw. |  | 8' 6"                     |
| 222' 4"     |  | MIDDLE<br>LIDDELL<br>SEAM |
| 223' 4"     |  |                           |
| Greywacke   |  | 19' 2"                    |
|             |  |                           |
|             |  |                           |
| 242' 6"     |  |                           |

|          |                                |      |      |      |       |
|----------|--------------------------------|------|------|------|-------|
| 207' 3"  | HM                             | V    | FC   | Ash  | BThU  |
|          | 2.9                            | 30.7 | 53.8 | 12.6 | 12440 |
|          | Coal bright with dull bands.   |      |      |      |       |
| 209' 3"  | 3.1                            | 35.6 | 55.2 | 6.1  | 13440 |
|          | Coal mainly bright dull bands. |      |      |      |       |
| 211' 3"  | 3.1                            | 32.5 | 49.5 | 14.9 | 12060 |
|          | Coal bright and dull broken.   |      |      |      |       |
| 213' 10" |                                |      |      |      |       |
| 222' 4"  | Coal dull, broken              |      |      |      |       |
| 223' 4"  |                                |      |      |      |       |



## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 10T

Elevation: 335.2' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 4.3.53

Finished: 6.3.53

Depth: 101' 6"

## STRATIGRAPHIC LOG (1"-10')

Sand &amp; clay

6' 6"

6' 6"

Claystone

13' 6"

7' 0"

Gw. v. f. grd.

21' 0"

7' 6"

Slst. w. clst.

27' 0"

6' 0"

Gw. v. f. grd.  
w. slst. sh.  
bands.

23' 6"

50' 6"

50' 6"  
Gw. v. f. grd. w. slst  
sh. bands.

56' 6"

Siltstone

63' 6"

Gw. v. f. grd. w.  
slst. bands.

12' 1"

75' 7"

Sh. &amp; slst.

9' 11"

85' 6"

Shale

14' 0"

Clst.

99' 6"  
101' 6"

2' 0"

Cont.

6' 0"

7' 0"

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

|                                       |                   |                       |
|---------------------------------------|-------------------|-----------------------|
| Area: Pond's Creek                    | Hole No: BMR 11T  | Elevation: 291.1' ASL |
| Reference: BMR Map N14/110 June 1953. | Datum: Standard   |                       |
| Began: 7.3.53                         | Finished: 11.3.53 | Depth: 99' 0"         |

## STRATIGRAPHIC LOG (1"-10')

Sand &amp; clay

7' 0"

7' 0"

Sand & slst.  
decomposed.

26' 0"

19' 0"

Slst. w. clst.  
bands.

34' 0"

8' 0"

Siltstone

54' 0"

20' 0"

Slst. w. clst.  
bands.

14' 6"

Limestone

68' 6"  
69' 0"

6"

Siltstone

Gw. sideritic 74' 9"  
75' 0"

5' 9"

3"

Siltstone

87' 0"

12' 0"

Slst. w. clst.  
bands.

99' 0"

12' 0"

## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 12T

Elevation: 373.8' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 12.3.53

Finished: 16.3.53

Depth: 154' 0"

## STRATIGRAPHIC

## LOG (1"-10')

Sandy clay

12' 6"

12' 6"

Gw. f. & m.  
grained.

19' 2"

Clst. 31' 8"  
31' 11"

3"

Gw. medium &  
very fine grd.

45' 1"

77' 0"

77' 0"

Cont.

Gw. med. &amp; v.f. grd

17' 2"

94' 2"

Slst. & gw.  
banded.

9' 4"

Lst.

103' 6"

104' 0"

6"

Slst. w. gw.  
bands.

33' 6"

Lst.

137' 6"

138' 0"

6"

Siltstone

15' 5"

Clst.

153' 5"

154' 0"

7"

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 13T

Elevation: 510.1' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 17.3.53

Finished: 19.3.53

Depth: 101' 0"

## STRATIGRAPHIC LOG (1"-10')

Clay

5' 0"

5' 0"

Siltstone

19' 0"

Clst. &amp; gw.

24' 0"

26' 6"

2' 6"

Siltstone

11' 6"

38' 0"

Greywacke

43' 6"

5' 6"

Siltstone

16' 7½"

Claystone

60' 1½"

60' 7"

5½"

Siltstone

26' 10"

Limestone

87' 5"

87' 7"

2"

Siltstone

13' 5"

101' 0"



## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 15T

Elevation: 316.0' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 19.3.53

Finished: 25.3.53

Depth: 110' 6"

## STRATIGRAPHIC LOG (1"-10')

Sand &amp; clay 5' 0"

5' 0"

Igneous rock 20' 6"

25' 6"

Gw. w. thin  
slst. & clst  
bands. 43' 6"

69' 0"

Slst. w.  
sideritic  
nodules &  
clst. bands 16' 3"Clay- 85' 3"  
ironstone 86' 1" 10"Gw. w. slst.  
bands. 90' 0" 3' 11"

## COAL DETAIL (1"-2')

| HM  | V    | FC   | Ash  | BThU  |
|-----|------|------|------|-------|
| 3.9 | 31.0 | 55.0 | 10.1 | 12760 |

Coal mainly dull sml.  
bright bands.

100' 3"

2' 4"

102' 7"

103' 0"

|     |      |      |      |       |
|-----|------|------|------|-------|
| 4.0 | 34.0 | 49.9 | 12.1 | 12410 |
|-----|------|------|------|-------|

Coal dull and bright  
banded.

105' 1"

105' 5"

Coal dull and bright.

107' 0"

107' 6"

Coal dull thin slst.  
bands.

110' 3"

## STRATIGRAPHIC LOG (1"-10')

|                |        |  |         |
|----------------|--------|--|---------|
| gw.w.slst.bds. | 90' 0" |  | Cont 3" |
| Clay ironstone | 93' 3" |  | 11"     |
|                | 94' 2" |  | 6' 1"   |

|                                   |         |  |         |
|-----------------------------------|---------|--|---------|
| Gw. w. t. clst.<br>& slst. bands. | 100' 3" |  | ARTIE'S |
|                                   |         |  | 10' 0"  |
|                                   |         |  | SEAM.   |
|                                   |         |  | 3"      |

Coal (see detail)

|           |         |  |  |
|-----------|---------|--|--|
| Claystone | 110' 3" |  |  |
|           | 110' 6" |  |  |

## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 15(T)R

Elevation: 316.0' ASL

Reference: BMR Map N14/110, June 1953.

Datum: Standard

Begun: 26.3.53

Finished: 28.4.53

Depth: 328' 6"

## STRATIGRAPHIC LOG (1"-10')

Red clay

4' 0"

4' 0"

Clst. & iron-  
stone

10' 0"

6' 0"

Igneous rock

18' 0"

8' 0"

Gw. m. grd.

24' 0"

6' 0"

Igneous rock

33' 0"

9' 0"

Greywacke m.  
& f. grd. w.  
siltstone

71' 6"

38' 6"

Slst. clst. &  
gw. v. f. grd.  
w. ironstone.

90' 0"

18' 6"

90' 0"

Cont.

Slst. clst. & gw. v. f. grd.  
w. ironstone.

16' 6"

106' 6"

Coal

ARTIE'S  
SEAM.

118' 0"

Gw. m. & coarse  
grained with fine  
grd. bands, slst.  
and ironstone.

62' 0"

180' 0"

## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 15(T)R

Elevation: 316.0' ASL

Reference: BMR Map N14/110, June 1953.

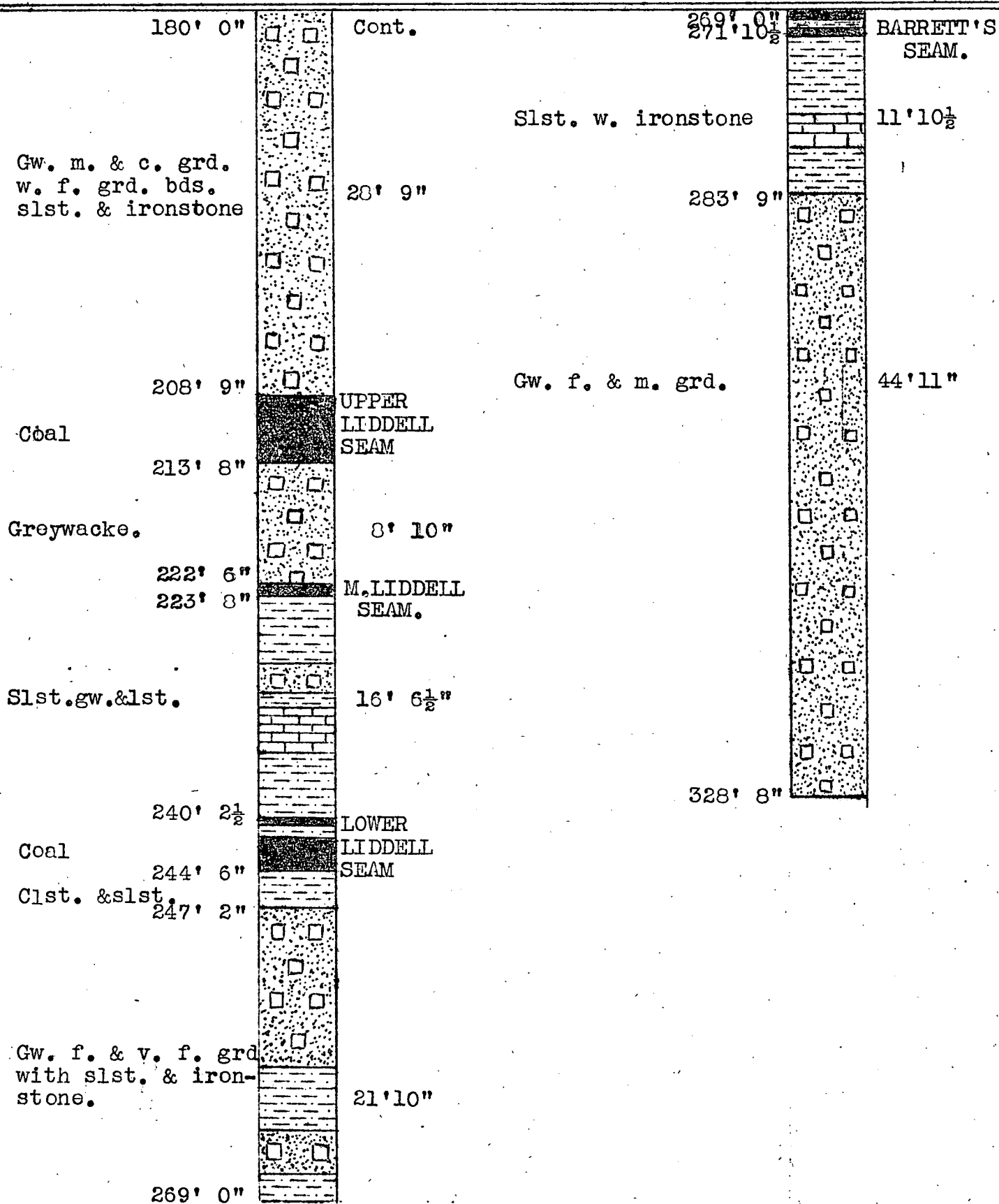
Datum: Standard

Begun: 26.3.53

Finished: 28.4.53

Depth: 328' 6"

## STRATIGRAPHIC LOG (1"-10')

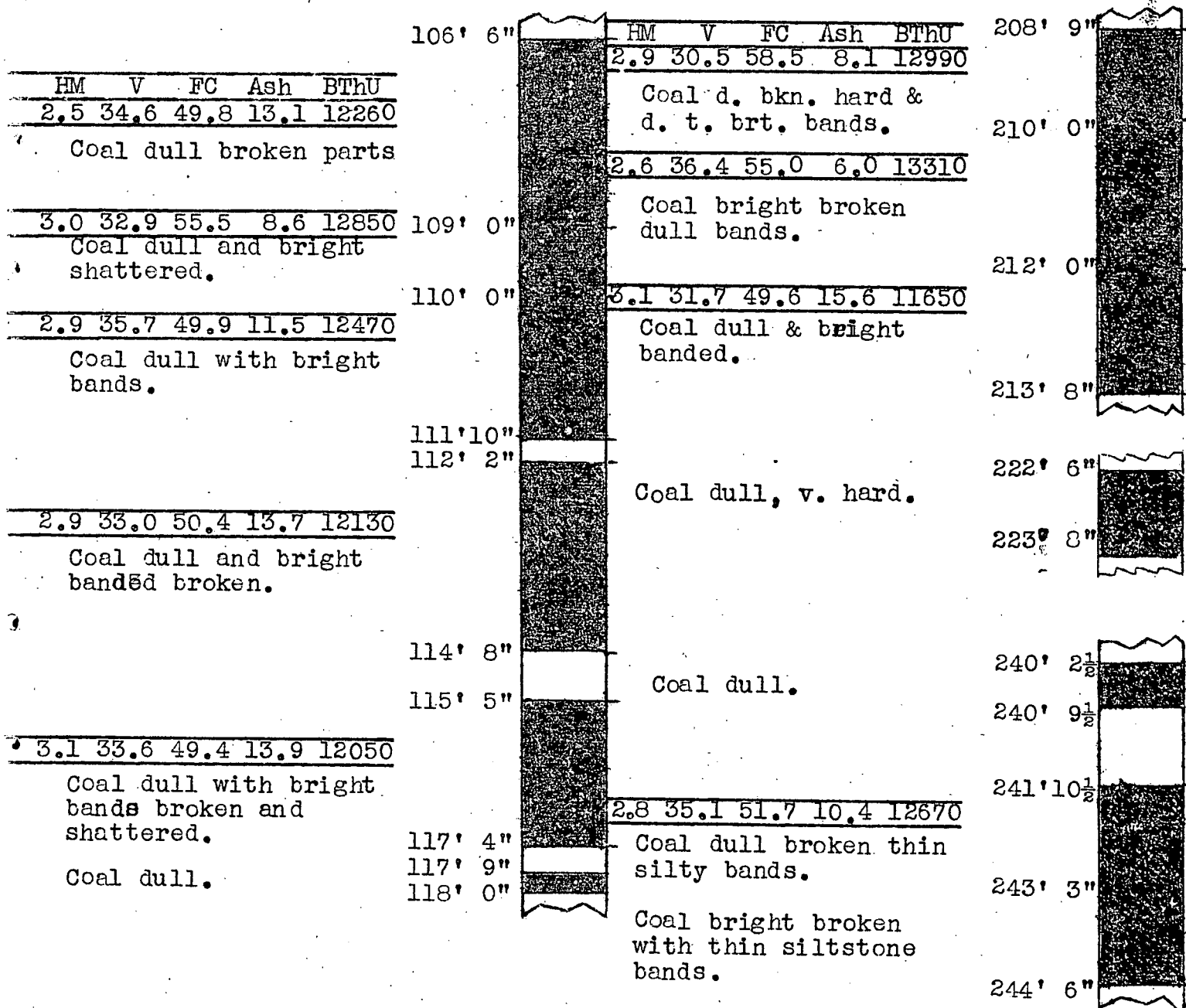


## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek      Hole No: BMR 15(T)R      Elevation: 316.0' ASL  
 Reference: BMR Map N14/110 June 1953.      Datum: Standard  
 Begun: 26.3.53.      Finished: 28.4.53      Depth: 328' 6"

## COAL DETAIL (1"-2')



## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 16T

Elevation: 383.6' ASL

Reference: BMR Map N14/110 June 1953.

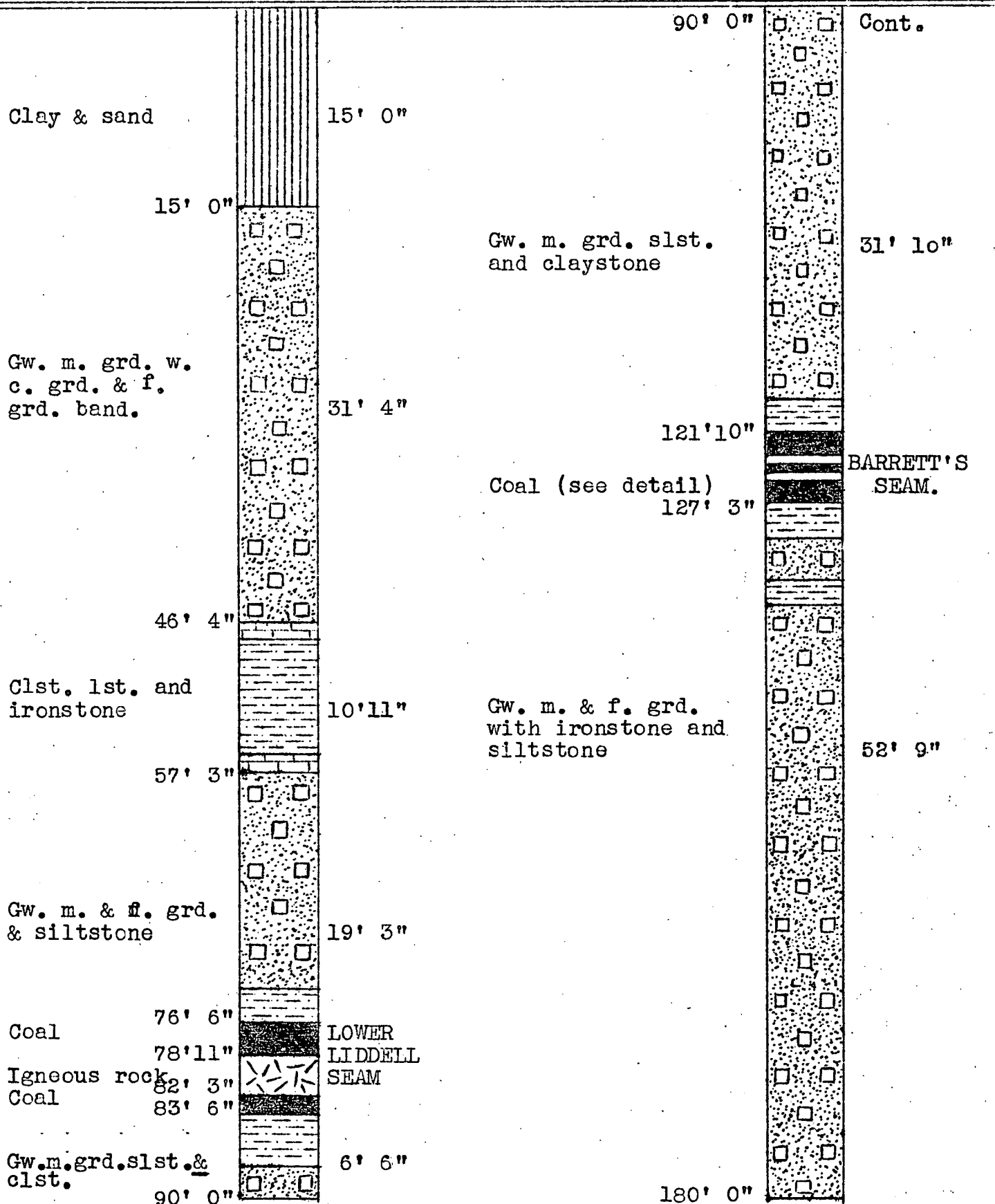
Datum: Standard

Begun: 26.3.53

Finished: 29.4.53

Depth: 298' 3"

## STRATIGRAPHIC LOG (1"-10')



## COMMONWEALTH OF AUSTRALIA

## Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 16(T)

Elevation: 383.6' ASL

Reference: BMR Map N14/110, June 1953.

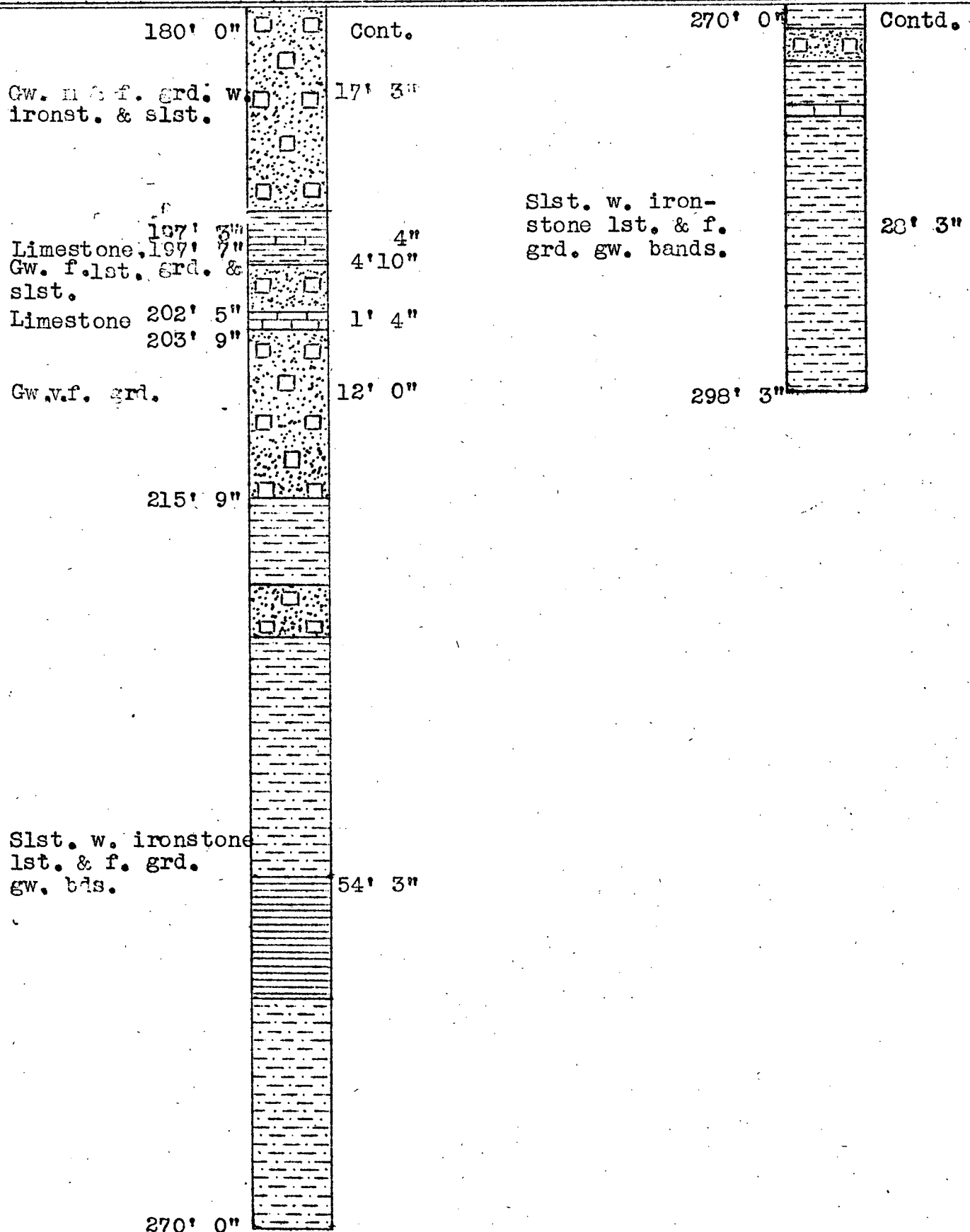
Datum: Standard

Begun: 26.3.53

Finished: 29.4.53

Depth: 298' 3"

## STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Pond's Creek

Hole No: BMR 16T

Elevation: 383.6' ASL

Reference: BMR Map N14/110 June ,1953

Datum: Standard

Begun: 26.3.53

Finished: 29.4.53

Depth: 298' 3 "

COAL DETAIL (1"-2')

Coal dull w. igneous  
intrusions.

76' 6 "

78' 11 "

Coal as above.

82' 3 "

83' 6 "

| HM  | V    | FC   | Ash | BThU   |
|-----|------|------|-----|--------|
| 3.2 | 38.4 | 53.1 | 5.3 | 13,640 |

Coal dull w. bright  
bands, hard.

121' 10 "

| HM  | V    | FC   | Ash  | BThU   |
|-----|------|------|------|--------|
| 3.6 | 33.8 | 52.2 | 10.4 | 12,680 |

Coal bright with white  
veins.

123' 9 "

123' 11 "

124' 2 "

124' 5 "

| HM  | V    | FC   | Ash  | BThU   |
|-----|------|------|------|--------|
| 3.3 | 34.7 | 51.0 | 11.0 | 12,510 |

Coal dull with white  
veins.

125' 1 1/2 "

125' 4 "

127' 3 "

JERRY'S PLAINS SUBAREA.

## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Jerry's Plains.

Hole No. BMR L(S)

Elevation: 325.0' ASL

Reference: BMR Map N14/110, June, 1953

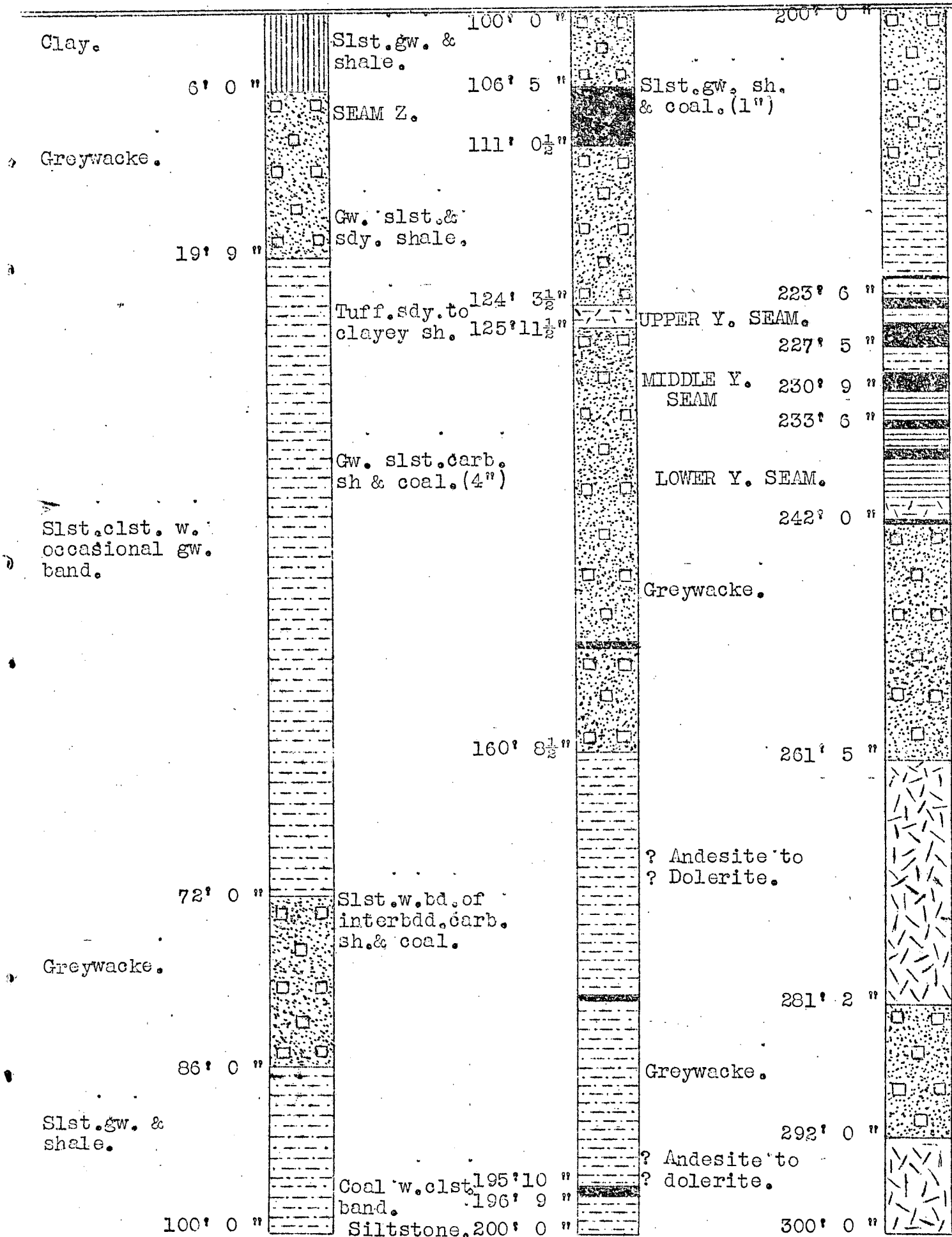
Datum: Standard

Begun: 30.10.52

Finished: 28.11.52

Depth: 582' 5"

## STRATIGRAPHIC LOG (1"-10")



## COMMONWEALTH OF AUSTRALIA

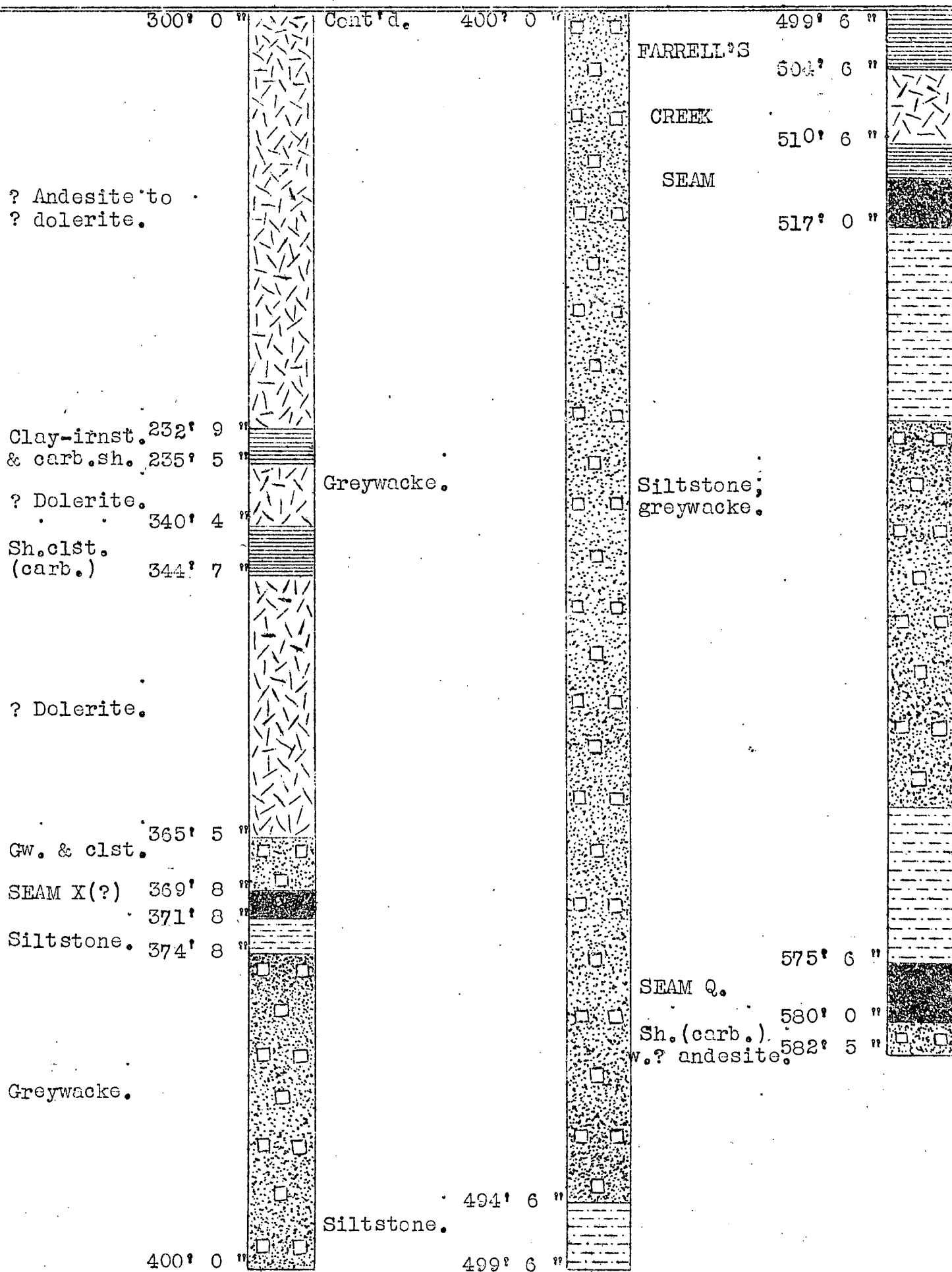
Bureau of Mineral Resources, Geology and Geophysics

Area: Jerry's Plains. Hole No: BMR 1(S) Elevation: 325.0' ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 30.10.52 Finished: 28.11.52 Depth: 582' 5"

## STRATIGRAPHIC LOG (1"-10")



## COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resource, Geology and Geophysics

Area: Jerry's Plains. Hole No: BMR 1(S) Elevation: 325.0'ASL

Reference: BMR Map N14/110, June, 1953 Datum: Standard

Begun: 30.10.52 Finished: 28.11.52 Depth: 582' 5 "

## COAL DETAIL (1"-2')

|                                                                         |               |                                |  |               |          |
|-------------------------------------------------------------------------|---------------|--------------------------------|--|---------------|----------|
| H.M. V. F.C. Ash BThU.                                                  |               |                                |  |               | 233' 8 " |
| 4.8 32.9 50.8 11.5 12.220                                               | 106' 5 "      | 3.7 6.6 31.3 58.4 --           |  |               |          |
| Coal mostly br. powd-<br>ery w. some dull near<br>top. & w.R.t.sh.lens. | No.1          | Coal br.w. metallic<br>lustre. |  | No.5          |          |
|                                                                         | 108' 5 "      |                                |  | 235' 10 "     |          |
|                                                                         | 108' 5 1/2 "  | 3.7 6.3 20.8 69.2 --           |  |               |          |
| 4.9 33.7 53.2 8.2 12.700                                                | No.2          | Coal mostly as above.          |  | No.6          |          |
| Coal as above.                                                          |               |                                |  | 237' 4 "      |          |
|                                                                         | 110' 0 "      | Coal as above.                 |  | 237' 8 "      |          |
|                                                                         | 110' 2 1/2 "  |                                |  | 237' 11 1/8 " |          |
|                                                                         | 110' 7 "      | Coal dull & br. bdd.           |  | 238' 2 1/2 "  |          |
|                                                                         | 110' 10 "     |                                |  |               |          |
|                                                                         | 111' 0 1/2 "  |                                |  |               |          |
|                                                                         |               | Coal bright.                   |  | 239' 4 "      |          |
| Coal bright.                                                            | 221' 9 "      |                                |  | 239' 9 1/2 "  |          |
|                                                                         | 221' 10 "     |                                |  |               |          |
|                                                                         |               |                                |  |               |          |
| Coal bright                                                             | 223' 6 "      | Coal dull & br. bdd.           |  | 241' 8 "      |          |
|                                                                         | 224' 3 1/2 "  |                                |  | 242' 0 "      |          |
| Coal dull & br. bdd.                                                    |               |                                |  |               |          |
|                                                                         | 225' 5 "      |                                |  |               |          |
| 4.1 30.1 58.6 7.2 13.000                                                | 225' 9 "      |                                |  |               |          |
|                                                                         | 225' 10 1/2 " |                                |  |               |          |
| As above.                                                               | No.3          |                                |  |               |          |
|                                                                         | 227' 5 "      |                                |  |               |          |
|                                                                         |               |                                |  |               |          |
| 3.6 13.7 60.3 22.4 10.740                                               | 229' 9 "      |                                |  |               |          |
| Coal mostly bright,<br>powdered, cindered.                              | No.4          |                                |  |               |          |
|                                                                         | 230' 9 "      |                                |  |               |          |

STATE MINE RESERVE RAVENSWORTH.

## COMMONWEALTH OF AUSTRALIA

Bureau of Mineral Resources, Geology and Geophysics

Area: Ravensworth

Hole No: BMR 1 (S) Elevation: 441.1'

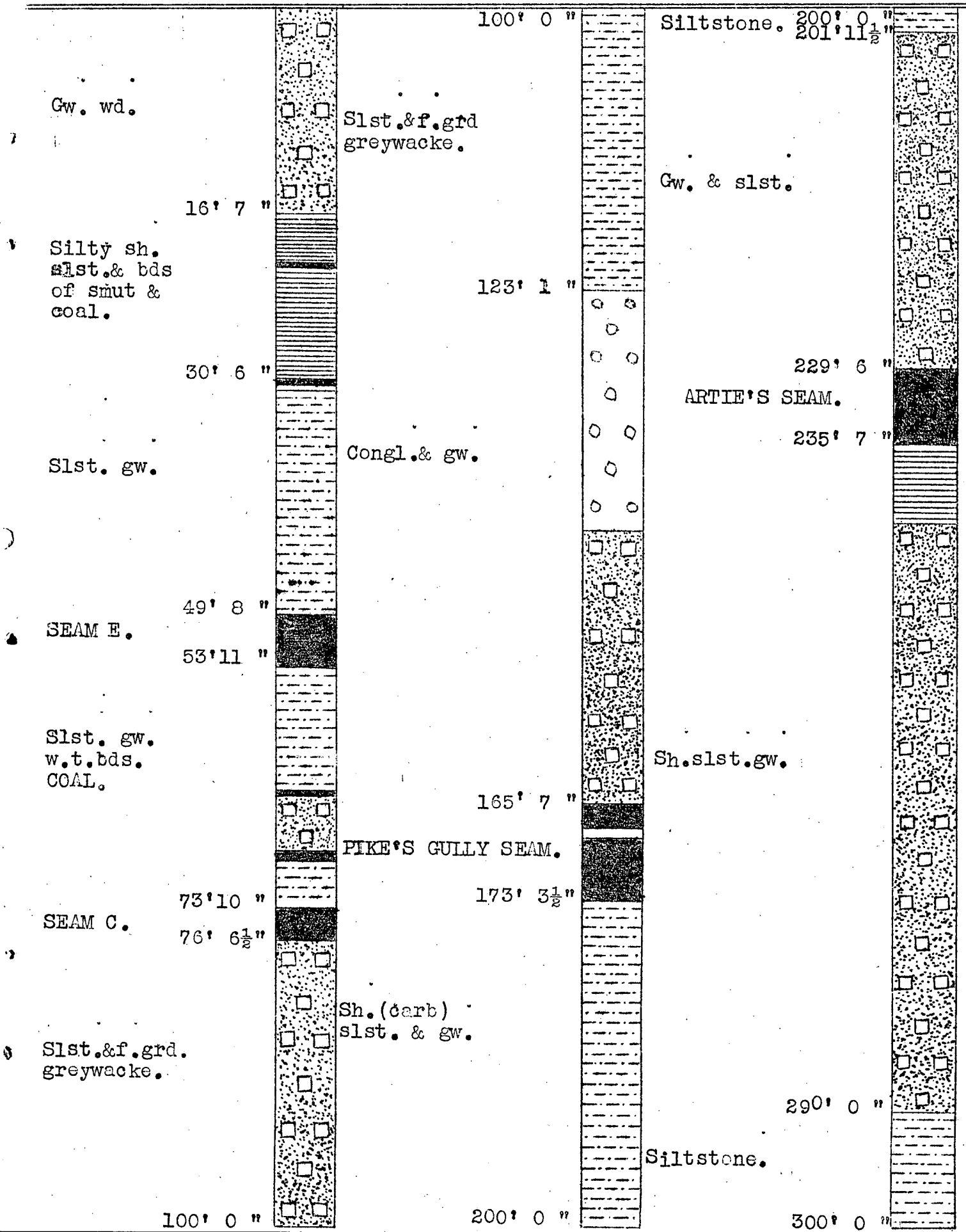
Reference: BMR Map N14/110, June, 1953

Datum: Railway

Begun: 10.2.53

Finished: 16.4.53 Depth: 746' 6"

## STRATIGRAPHIC LOG (1"-10')



COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Ravensworth

Hole No: BMR 1(S)

Elevation: 441.1'

Reference: BMR Map N14/110, June, 1953

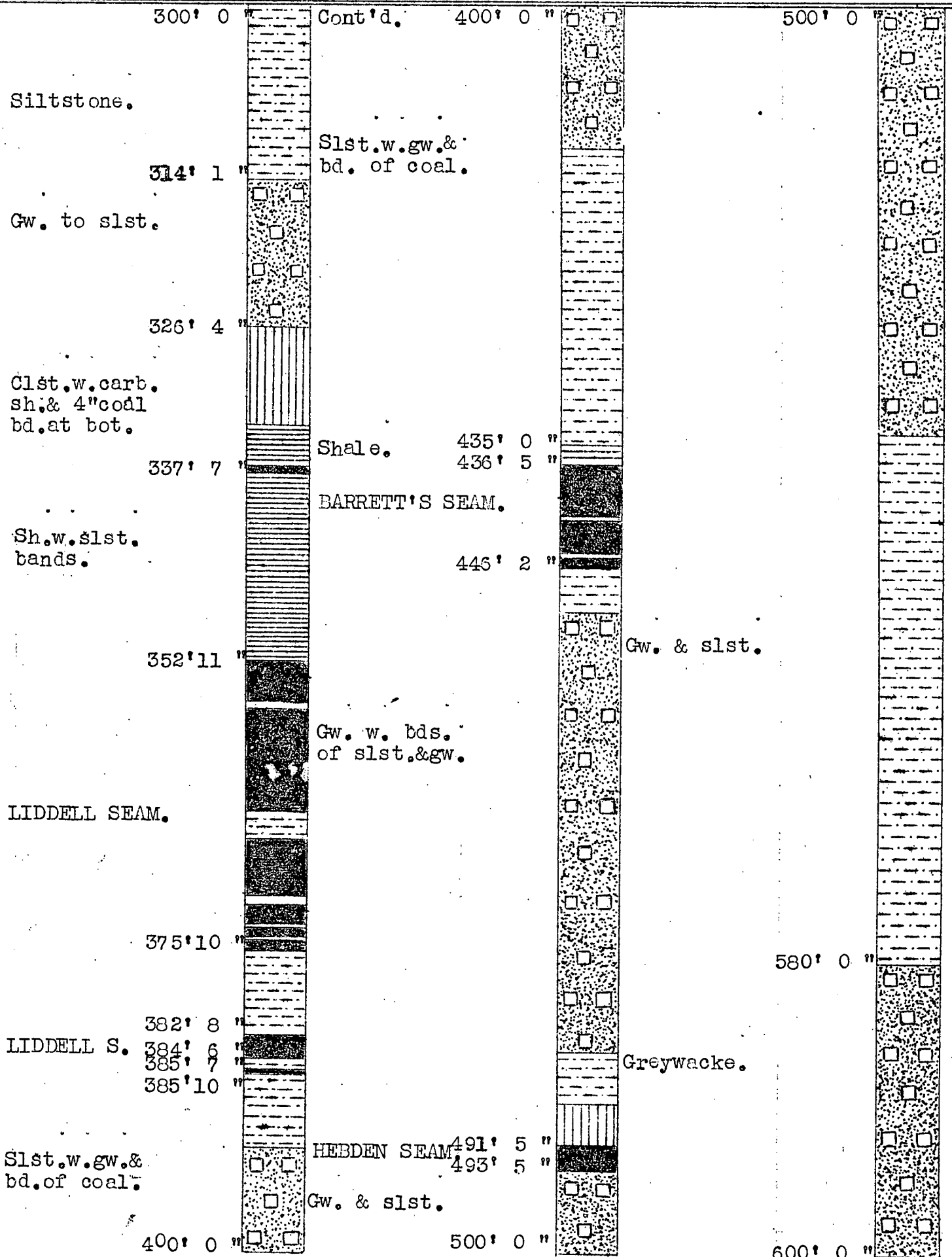
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STRATIGRAPHIC LOG (1"-10')



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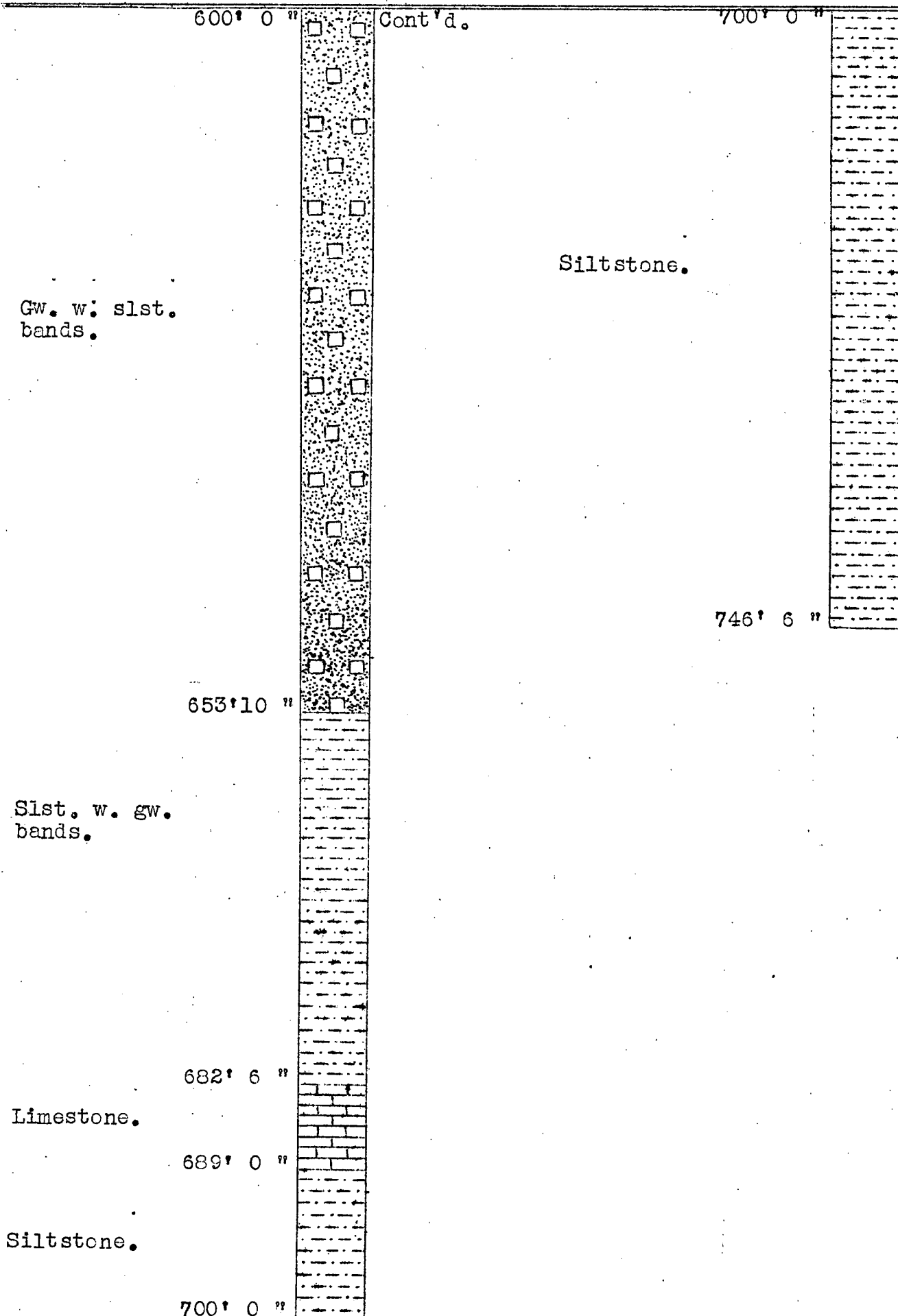
Datum: Railway

Begun: 10.2.53

Finished: 16.4.53

Depth: 746' 6"

STRATIGRAPHIC LOG (1"-10")



COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Ravensworth

Hole No: BMR 1(S)

Elevation: 441.1'

Reference: BMR Map N14/110, June, 1953

Datum: Railway

Begun: 10.2.53

Finished: 16.4.53

Depth: 746' 6"

COAL DETAIL (1"-2")

|                                              |                         |                                             |                         |
|----------------------------------------------|-------------------------|---------------------------------------------|-------------------------|
| H.M. V. F.C. Ash BThU.                       |                         |                                             | 229' 6"                 |
| <u>3.9 31.5 56.8 7.8 13,080</u>              | 49' 8"                  | <u>4.3 33.3 54.1 8.3 12,930</u>             | No. 5                   |
| Coal dull & br. bdd.                         | No. 1                   | Coal dull w.br.bds.shy.                     | 230' 6"                 |
|                                              | 51' 5"                  | <u>4.0 30.2 47.3 18.5 11,530</u>            |                         |
|                                              | 51' 6 $\frac{1}{2}$ "   | Coal as above.                              | No. 6                   |
| <u>4.4 33.5 55.3 6.8 13,190</u>              |                         |                                             | 232' 7"                 |
| Coal dull & br.bdd.w.t.<br>shy.bd. near top. | No. 2                   | <u>4.0 31.5 57.9 6.6 13,310</u>             |                         |
|                                              | 53' 11"                 | Coal mostly br.and<br>powdery.              | No. 7                   |
|                                              | 73' 10"                 |                                             | 235' 7"                 |
| Coal dull & br.bdd:<br>mostly br. powdery.   |                         | <u>3.3 34.4 51.2 11.1 12,770</u>            | 352' 11"                |
|                                              | 76' 6 $\frac{1}{2}$ "   | Coal mainly brt.strongly<br>cleated, shaly. | No. 8                   |
|                                              | 165' 7"                 |                                             | 356' 0"                 |
| Coal dull & br. bdd.                         | 166' 4"                 | <u>3.6 33.1 53.2 10.1 12,870</u>            | 356' 8"                 |
|                                              | 166' 6 $\frac{1}{2}$ "  |                                             |                         |
| Coal mostly bright.                          | 167' 1 $\frac{1}{2}$ "  | Coal mainly brt.strongly<br>cleated, shaly. | No. 9                   |
| <u>3.9 33.1 54.9 8.1 13,100</u>              | 168' 2 $\frac{1}{2}$ "  |                                             | 359' 4"                 |
| Coal bdd.but mostly br.                      | No. 3                   | <u>3.5 35.3 55.4 5.8 13,530</u>             |                         |
|                                              | 169' 1 $\frac{1}{2}$ "  |                                             |                         |
|                                              | 169' 4"                 | Coal mainly brt.strongly<br>cleated, shaly. | No. 10.                 |
|                                              | 169' 11 $\frac{1}{2}$ " |                                             | 362' 0"                 |
| <u>4.3 35.5 55.7 4.5 13,540</u>              | 170' 4 $\frac{1}{2}$ "  | <u>3.5 35.4 55.7 5.4 13,580</u>             |                         |
| Coal dull & br.bdd.<br>mostly bright.        | No. 4                   | As above.                                   | No. 11                  |
|                                              | 173' 3 $\frac{1}{2}$ "  |                                             | 364' 10 $\frac{1}{2}$ " |

COMMONWEALTH OF AUSTRALIA.

Bureau of Mineral Resources, Geology and Geophysics

Area: Ravensworth      Hole No: BMR 1(S)      Elevation: 441.1'  
 Reference: BMR Map N14/110, June, 1953      Datum: Railway  
 Begun: 10.2.53      Finished: 16.4.53      Depth: 746' 6 "

COAL DETAIL (1"-2")

|                                                    |           |                              |                          |
|----------------------------------------------------|-----------|------------------------------|--------------------------|
|                                                    |           | Cont'd.                      |                          |
|                                                    |           | Coal mostly bright.          | 385' 7 "<br>385' 10 "    |
| H.M.    V.    F.C.    Ash.    BThU                 | 367' 0 "  |                              |                          |
| 3.0 37.3 51.5 8.2 13,280                           |           |                              |                          |
| Coal but mostly broken into small cleat fragments. | No.12     |                              |                          |
|                                                    | 369' 0 "  | Coal bright.                 | 436' 5 "<br>436' 10 "    |
| 3.0 38.6 52.4 6.0 13,650                           |           | 3.1 35.1 45.4 16.4 11,930    |                          |
| As above.                                          | No.13     | Coal mainly bright.          | No.15                    |
|                                                    | 371' 6 "  |                              | 439' 0 "                 |
|                                                    | 372' 1 "  |                              | 2.9 38.4 52.5 6.2 13,650 |
| 3.1 34.2 48.0 14.7 12,330                          |           | Coal bright.                 | No.16                    |
| Coal mostly brt.cleated.                           | No.14     |                              |                          |
|                                                    | 373' 11 " |                              | 441' 9 "                 |
| Coal mostly brt.cleated.                           | 374' 2 "  |                              | 442' 0 "                 |
|                                                    | 374' 11 " | 3.3 34.6 54.6 7.5 13,340     |                          |
| Coal mostly brt.cleated.                           | 375' 2 "  |                              |                          |
|                                                    | 375' 10 " | Coal mainly bright, cleated. | No.17                    |
|                                                    |           |                              | 444' 10 "<br>445' 3 "    |
|                                                    |           | Coal mainly bright.          | 446' 2 "                 |
|                                                    |           |                              |                          |
|                                                    | 382' 8 "  |                              |                          |
| Coal bright & dull banded.                         |           |                              |                          |
|                                                    | 384' 6 "  |                              |                          |