

B. A. C. P. EXPLORATION PROJECT



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From : M.A. Botros

A - P 79C - Drilling

SUMMARY

Five rotary holes were drilled between 15th and 21st of January 1970 in A. to P. 79C. Three inches of carbonaceous sediments were intersected in Hole No. 2 only and granite basement was encountered in all holes at depths varying from 190' - 340'.

LOCATION

A. to P. 79C (about 78 square miles) adjoins the south western boundary of A to P 71C and lies approximately 19 miles west of Emerald. The area is reached by sealed road from Emerald.

ACCESS

All the 5 holes can be reached by tracks which join up with the bitumen road.

TOPOGRAPHY

The area is in open country with the exception of the south western corner which is covered by dense vegetation. Most of the area is flat lying but there are some sandstone outcrops in the south western corner where the relief is greater.

### GEOLOGY

The test holes showed that the A. to P. 79C overlies relatively shallow granitic basement which does not crop out at the surface. More than three-quarters of the area is covered by tertiary basalt with interbedded clays which are up to 40' thick at the eastern boundary in Hole No. 4.

The basalt is overlain by black soil and usually underlain by basalt clay or white sandy clay. The north western corner of the area is covered by alluvium and gravel underlain by white clay and white sand.

The south western corner has been mapped as being Colinlea formation which elsewhere is characterized by pebbly sandstone.

In this area of A. to P. 79C a thin band of carbonaceous matter was intersected in hole No. 2 in gravels at 235'. The granitic basement (Retreat granite) outcrops to the west of A. to P. 79C.

In the south basalt and alluvium overly sequences of clay, sand, gravel, granitic sand 50' - 180' thick, which in turn rest on basement with 15' - 35' thick soft weathered surface.

In the north mostly thick clays overly basement with 10' - 30' thick soft weathered surface.

The Locations of the 5 holes are shown on the accompanying map and the logs are attached.

### CONCLUSION

No coal measures were intersected during drilling therefore A. to P. 79C can be relinquished.

M.A. BOTROS

MAB:sr

### KEYWORDS

Coal measures, basic lavas, tertiary, drilling.

### LOCALITY

Emerald SF-55-15 1:250,000 sheet

Encl. Rotary Drill Log Sheets.

PLAN

A. to P.79C Geological Map showing Drill  
Hole Sites.

1" = 4 miles