

APPENDIX VI: GEOTHERMAL GRADIENT

Temperature data from electric logging runs at East Mereenie 36 enabled an extrapolated BHT of 61.8 °C to be calculated. A geothermal gradient of 2.53°C per 100 m was calculated using data gained from logging runs and assuming a surface temperature of 20°C.

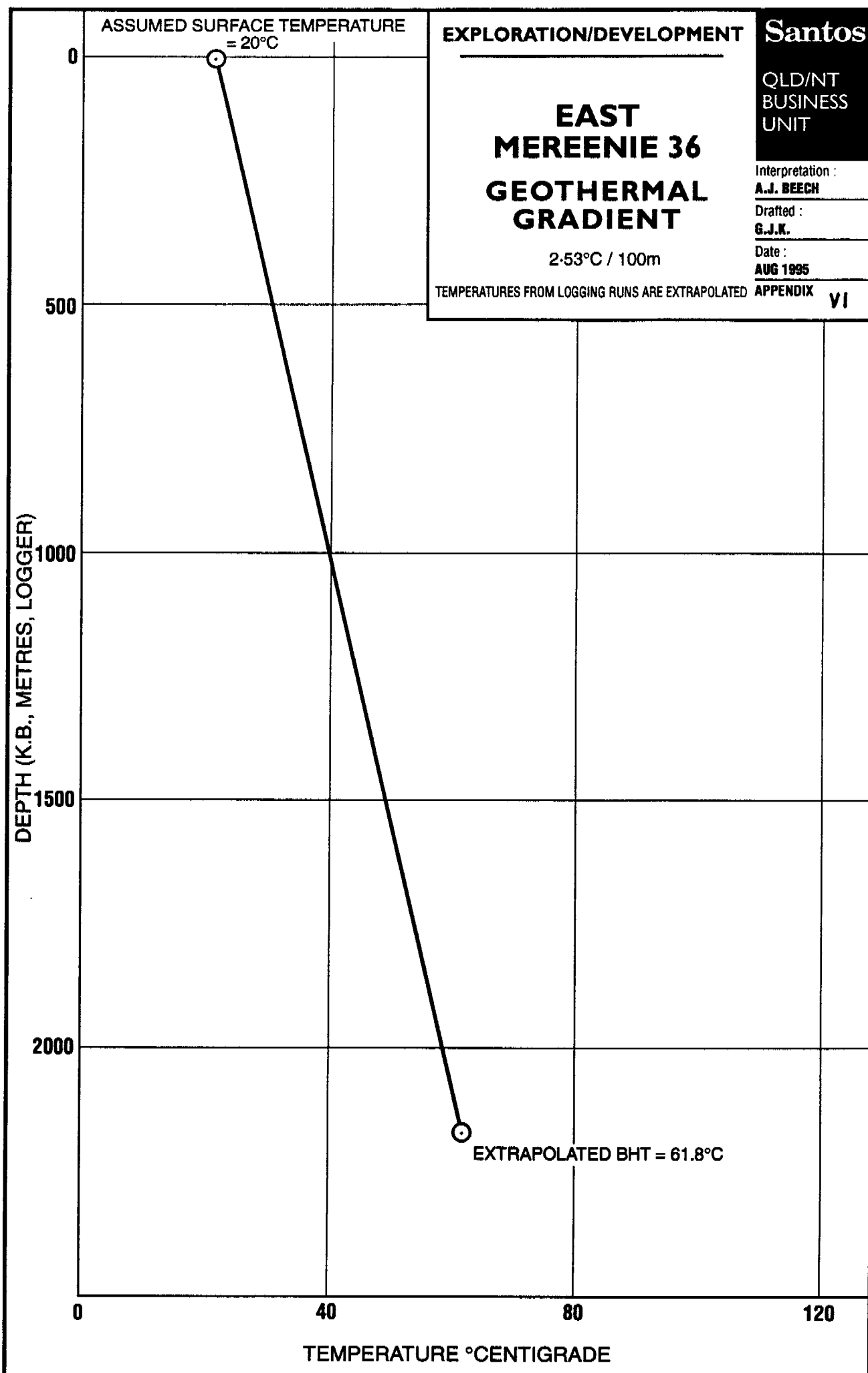
45° C / 4 hours 30 mins at 1265 m from FMS4-GR Log.

56° C / 5 hours at 1653 m from Combo Log.

60 °C after 15 hours 50 mins at 1653 m from LDL-CNL-NGS-ML Log.

60° C after 24 hours at 1653 m from FMS4-GR Log.

20 ° C as assumed surface temperature.



EXPLORATION/DEVELOPMENT

Santos

QLD/NT
BUSINESS
UNIT

**EXTRAPOLATION
TO DETERMINE
STATIC BHT**

**EAST
MERREENIE 36**

Interpretation :

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Drafted :

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Date :

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APPENDIX

VI

EXTRAPOLATED BHT = 61.8°C at 1653 M

TEMPERATURE °CENTIGRADE

64

62

60

58

56

EXTRAPOLATED BHT=61.8°C

60°C /24 HOURS FROM FM54-GR LOG

60°C /15 HOURS 50 MINS FROM LDL-CNL LOG

56°C /5 HOURS FROM COMBO LOG

35

25

20

14

12

10

9

8

7

6

5

4

3

2

HOURS AFTER CIRCULATION STOPPED