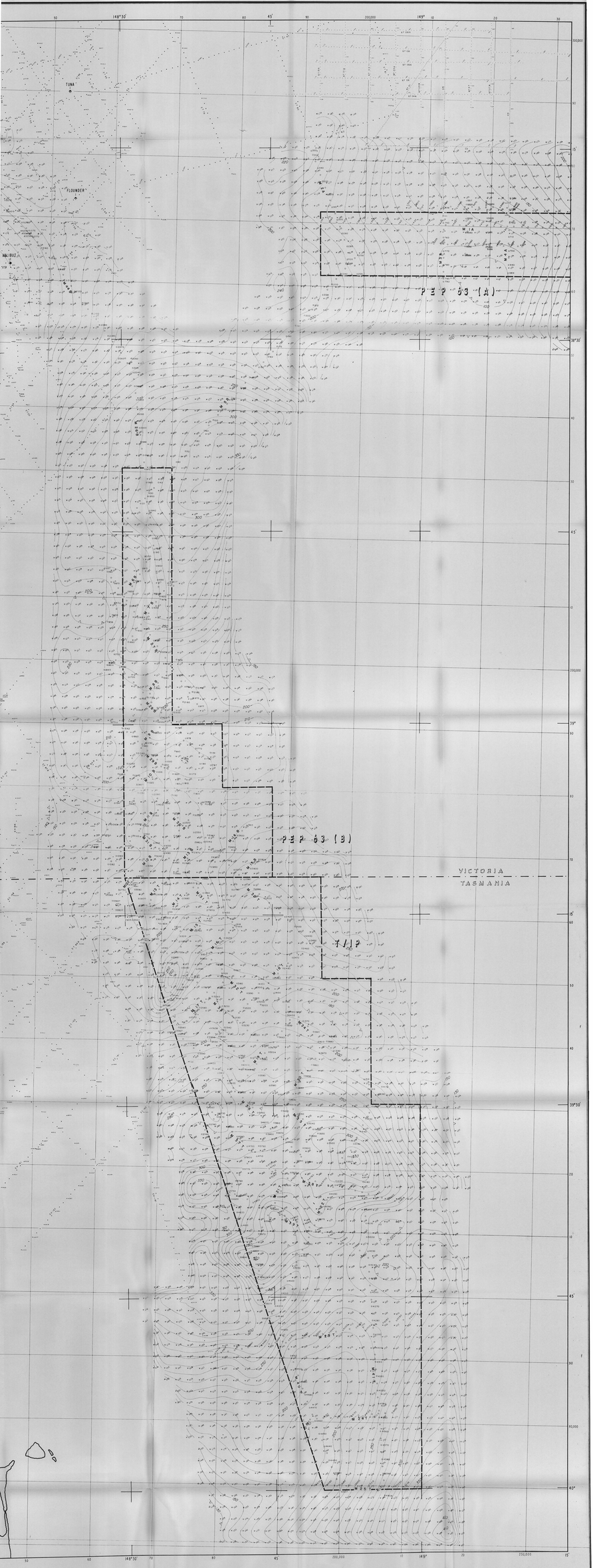


AUSTRALIAN TRANSVERSE MERCATOR PROJECTION 10,000 YARD GRID

ZONE 8

KILOMETRES

MILES

YARDS

SCALE 1:100,000

SHOT POINTS

- MAGELLAN PETROLEUM SOUTHERN PTY. LTD.
- ESSO EXPLORATION & PRODUCTION AUSTRALIA INC.
- SHELL DEVELOPMENT (AUSTRALIA) PTY. LTD.

MAGELLAN PETROLEUM SOUTHERN PTY. LTD.

MARINE MAGNETIC SURVEY

EAST GIPPSLAND BASIN AREA

MAGNETIC FIELD AT 1000 FT

COMPUTED FROM MARINE MAGNETIC FIELD AT SEA LEVEL

CONTOUR INTERVAL 10 GAMMA

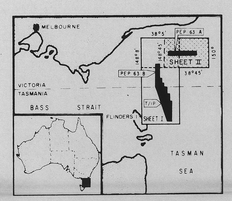
GAI-GMX
HOUSTON TEXAS

JULY 1969

079026

PLATE 3

SHEET I



AUSTRALIAN TRANSVERSE MERCATOR PROJECTION 10,000 YARD GRID

ZONE 8

PEP 63 (A)

SHOT POINTS

- MAGELLAN PETROLEUM SOUTHERN PTY. LTD.
- ESSO EXPLORATION & PRODUCTION AUSTRALIA INC.
- SHELL DEVELOPMENT (AUSTRALIA) PTY. LTD.

KILOMETRES 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26

MILES 1 0 2 4 6 8 10 12 14 16 18

YARDS 5,000 0 5 10 15 20 25 30 35,000

SCALE 1:100,000

5 cm

MAGELLAN PETROLEUM SOUTHERN PTY. LTD.

MARINE MAGNETIC SURVEY

EAST GIPPSLAND BASIN AREA

MAGNETIC FIELD AT 1000 FT

COMPUTED FROM MARINE MAGNETIC FIELD AT SEA LEVEL

CONTOUR INTERVAL 10 GAMMA

GAI-GMX
HOUSTON TEXAS

JULY 1969

070021

PLATE 3

SHEET II

SHEET I

148°30'

149°00'

149°30'

149°50'

39°00'

P.E.P. 63A

P.E.P. 63B

100 FATHOMS

-19000 -20000 -21000

-184 -19000 -20000 -21000

-207s 850' D -204s

1000' D -215s

-214

800'

-20000

-21000

-12000 -20000 -19000 -18000 -17000

600' D -179s

-162

-16000

-163

-157

-166

-155

-36sh 100' D 1100' -156s

-151

-46sh -63sh 200'

-44sh 100' -156

-160

-201s D 700'

-138s

-134s 300'

-14000

-209s

-206s D 750'

-208s

-216s

-194s

-196s

-2000 700'

-225s D 600'

-212s

-195s

700'

-199s

-146s

-15000

-219s 700' D

-22000

-21000

-20000

-19000

-18000

D 600'

-138s

-134s

300'

-14000

-201s D 700'

-209s

-206s D 750'

-208s

-216s

-194s

-196s

-2000 700'

-225s D 600'

-212s

-195s

700'

-199s

-146s

-15000

-219s 700' D

-196s

LINE SPACING — 2 STATUTE MILES
CONTOUR INTERVAL — 5 GAMMAS
BASE INTENSITY — ARBITRARY
ALTITUDE — 1,000' A.S.L.

*REGIONAL VARIATION CORRECTION APPLIED
TRANSVERSE MERCATOR PROJECTION

SHEET INDEX

1
2
3

INTEGRATION OF MARINE MAGNETIC AND AEROMAGNETIC SURVEYS

by

GAI-GMX
HOUSTON TEXAS
JULY 1969

MAGNETIC BASEMENT ESTIMATES FT/100 SEA LEVEL DATUM
FROM INTRABASEMENT ANOMALY
III GOOD II FAIR I POOR
-Z2 -Z2s FROM SUPRABASEMENT ANOMALY

OUTLINES AND EDGES OF PLATES FROM SUPRABASEMENT ANOMALIES WITH MAXIMUM THICKNESSES IN FEET ESTIMATED WITH 0.001 POLARIZATION CONTRAST
1500 MAXIMUM THICKNESS IN FEET
800 VERTICAL THICKNESS IN FEET

MAGNETIC MATERIAL WITHIN SEDIMENTARY SECTION
150 MAXIMUM THICKNESS IN FEET
-0.25 DEPTH ESTIMATE IN FT/100

FEBRUARY 1968
GEOPHYSICAL ASSOCIATES PTY. LTD.

COMPOSITE MAGNETIC BASEMENT

070622

(CONTOUR INTERVAL: 1000 FEET)

TOTAL MAGNETIC INTENSITY

AEROMAGNETIC SURVEY EASTERN AND WESTERN BASS STRAIT AREA A

MAGELLAN PETROLEUM SOUTHERN PTY. LTD.

5 cm

-SCALE-

Miles 2 1 0 2 4 6 8

COMPILED AND DRAWN BY
GEODRAFTING SERVICES
PROPRIETARY LIMITED

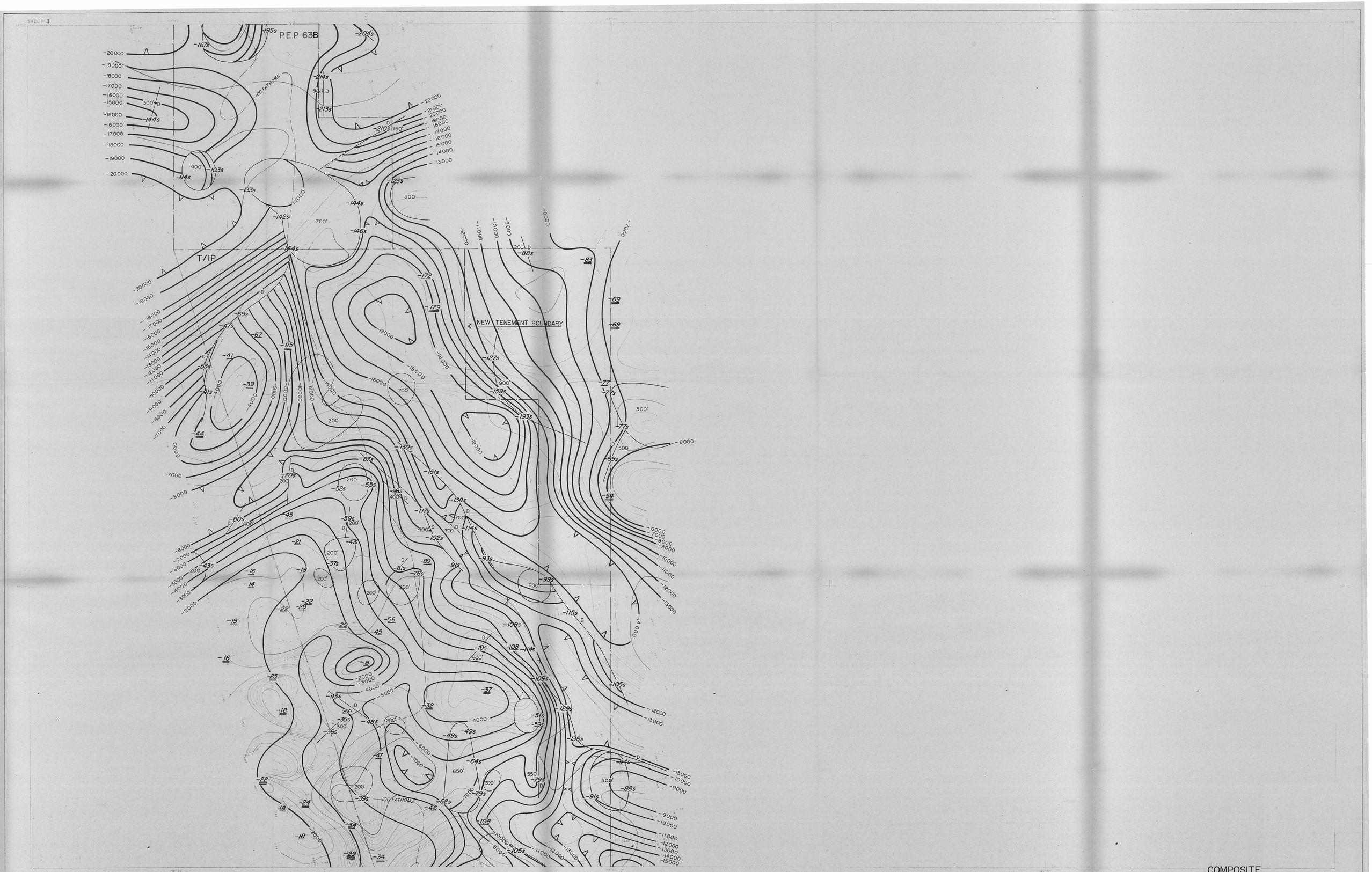
AERO SERVICE
LIMITED

OR-C48

(7)

PLATE 4

SHEET I



LINE SPACING — 2 STATUTE MILES
CONTOUR INTERVAL — 5 GAMMAS
BASE INTENSITY — ARBITRARY
ALTITUDE — 1,000' A.S.L.

REGIONAL VARIATION CORRECTION APPLIED
TRANSVERSE MERCATOR PROJECTION

SHEET INDEX

1
2
3

INTEGRATION OF MARINE MAGNETIC
AND AEROMAGNETIC SURVEYS
by
GAI-GMX
HOUSTON TEXAS
JULY 1969

MAGNETIC BASEMENT ESTIMATES FT/100 SEA LEVEL DATUM
-72 FROM INTRABASEMENT ANOMALY
GOOD FAIR POOR
-72s FROM SUPRABASEMENT ANOMALY

OUTLINES AND EDGES OF PLATES FROM SUPRABASEMENT ANOMALIES WITH MAXIMUM THICKNESSES IN FEET ESTIMATED WITH 0·001 POLARIZATION CONTRAST
1500 MAXIMUM THICKNESS IN FEET
800 VERTICAL THICKNESS IN FEET

MAGNETIC MATERIAL WITHIN SEDIMENTARY SECTION
150 MAXIMUM THICKNESS IN FEET
-150 DEPTH ESTIMATE IN FT/100

FEBRUARY 1968
GEOPHYSICAL ASSOCIATES PTY. LTD.

COMPOSITE MAGNETIC BASEMENT

(CONTOUR INTERVAL: 1000 FEET)
TOTAL MAGNETIC INTENSITY

AEROMAGNETIC SURVEY EASTERN AND WESTERN BASS STRAIT
AREA A-B

MAGELLAN PETROLEUM SOUTHERN PTY. LTD.

-SCALE- 070023

Miles 2 1 0 2 4 6 8

COMPILED AND DRAWN BY
GEODRAFTING SERVICES
PROPRIETARY LIMITED

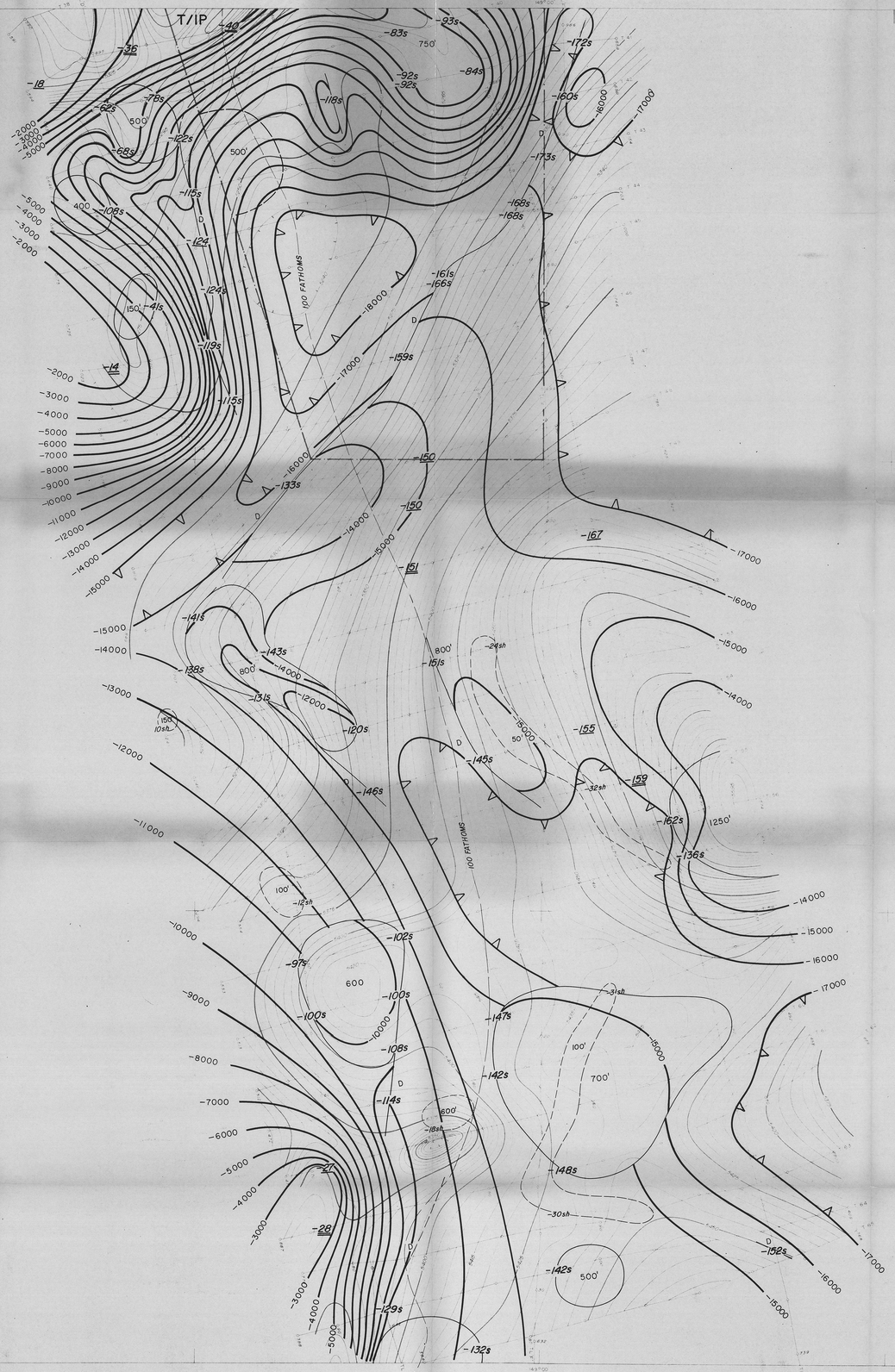
CR-048

AERO SERVICE
LIMITED

PLATE 4

SHEET II

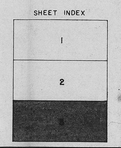
SHEET III



LINE SPACING — 2 STATUTE MILES
CONTOUR INTERVAL — 5 GAMMAS
BASE INTENSITY — ARBITRARY
ALTITUDE — 1,000' A.S.L.

REGIONAL VARIATION CORRECTION APPLIED
TRANSVERSE MERCATOR PROJECTION

SHEET INDEX



INTEGRATION OF MARINE MAGNETIC AND AEROMAGNETIC SURVEYS

by

GAI-GMX
HOUSTON TEXAS
JULY 1969

MAGNETIC BASEMENT ESTIMATES FT/100 SEA LEVEL DATUM
FROM INTRABASEMENT ANOMALY
-72 I 6000 II FAIR — POOR
FROM SUPRABASEMENT ANOMALY
-72s

OUTLINES AND EDGES OF PLATES FROM SUPRABASEMENT ANOMALIES WITH MAXIMUM THICKNESSES IN FEET ESTIMATED WITH 0.000 POLARIZATION CONTRAST
1800 MAXIMUM THICKNESS IN FEET
800 VERTICAL THICKNESS IN FEET

MAGNETIC MATERIAL WITHIN SEDIMENTARY SECTION
150 MAXIMUM THICKNESS IN FEET
-12sh DEPTH ESTIMATE IN FT/100

FEBRUARY 1968
GEOPHYSICAL ASSOCIATES PTY. LTD.

COMPOSITE MAGNETIC BASEMENT

(CONTOUR INTERVAL: 1000 FEET)

TOTAL MAGNETIC INTENSITY

AEROMAGNETIC SURVEY EASTERN AND WESTERN BASS STRAIT AREA B

MAGELLAN PETROLEUM SOUTHERN PTY. LTD.

5 cm

SCALE
Miles 2 1 0 2 4 6 8

COMPILED AND DRAWN BY
GEODRAFTING SERVICES
PROPRIETARY LIMITED

AERO SERVICE
L I M I T E D

070024

OR-018

PLATE 4

SHEET III