BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

DIVISION OF MARINE GEOSCIENCE AND PETROLEUM GEOLOGY

WEST TASMANIA SURVEY 1988

MIGRATED SECTION WITH AGC

SURVEY 78

LINE 78/08

START OF LINE : 78.91.0830
END OF LINE : 78.91.1253

EAST

RECORDING PARAMETERS

VESSEL	: RIG SEISMIC	DATE RECORDED	: 31 MARCH 1988
SHIP SPEED	: 5.5 KNOTS	SHOT INTERVAL	: 17.8 SEC
SOURCE	: 1600 C.I. AIRGUN ARRAY	SOURCE DEPTH	: 10 M
GROUP LENGTH	: 25 M	NOMINAL CABLE DEPTH	: 10 M
NO. OF TRACES	: 48	LEADING TRACE	: 1
CDP SPACING	: 12.5 M	COVERAGE	: 12 FOLD
NEAR OFFSET	: 227 M	MAXIMUM OFFSET	: 1412 M
SAMPLE RATE	: 2 MS	RECORD LENGTH	: 8000 MS
DATA RECORDING FORMAT – BMR SEGY		SHIP HEADING	: 95 DEG

PROCESSING SEQUENCE

1. GEOMETRY DEFINITION
2. REFORMAT TO DISCO INTERNAL FORMAT
3. RESAMPLE TO 4 MILLISECONDS
4. FK FILTER -4 TO 10 MS/TRACE PASSBAND
5. STATIC CORRECTION FOR START OF DATA
6. GAIN CORRECTION
7. CDP SORT 12 FOLD
8. VELOCITY ANALYSIS
9. DECONVOLUTION: 50 POINT SPIKE FILTER
10. NORMAL MOVEOUT CORRECTION
11. CDP STACK 12 FOLD
12. F-K MIGRATION
13. BANDPASS FILTERING - 12 HZ - 60 HZ
14. 2:1 ADJACENT TRACE SUM
15. AGC WITH 500 MS GATE
16. WATER BOTTOM MUTE

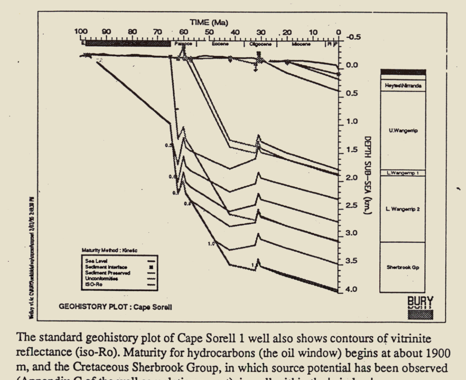
DISPLAY PARAMETERS

TRACE DENSITY	: 9.8 TRACES/CM	TIME SCALE	: 10 CM/SEC
POLARITY	: NORMAL	DISPLAY GAIN	: 1.0
HORIZONTAL SCALE	= 1:24606	VERTICAL EXAGGERATION	= 3.3:1
DISPLAY DATE	: APRIL 1989		

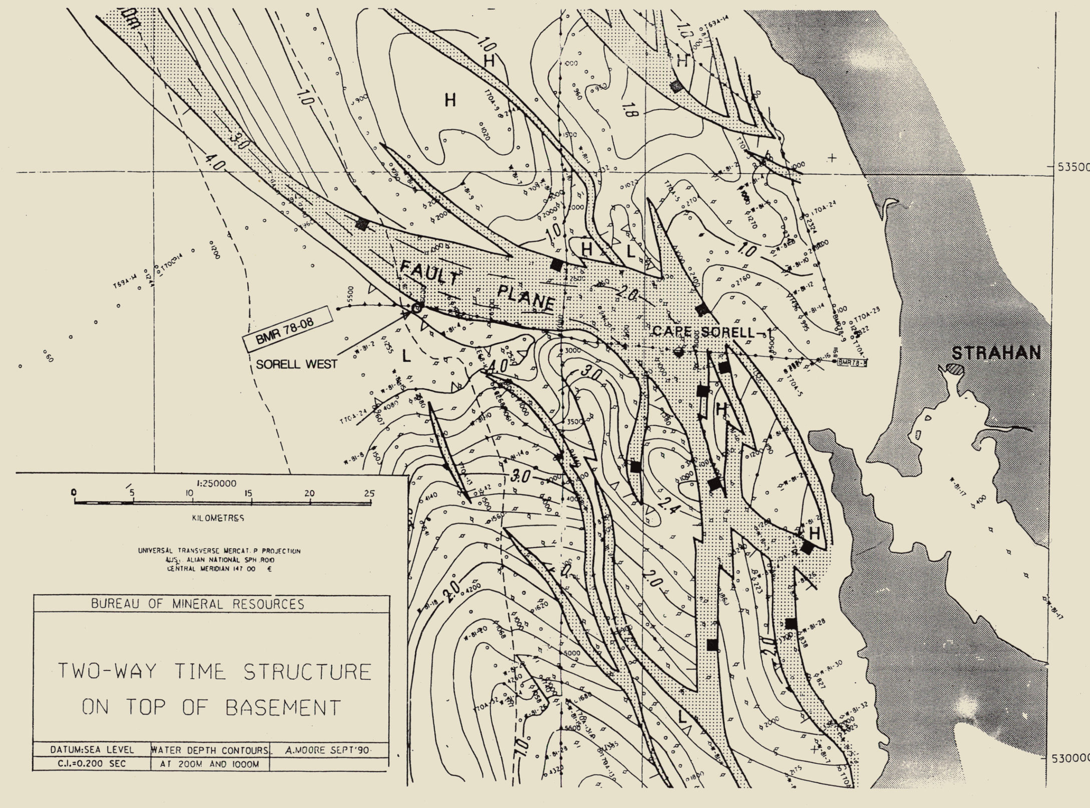
THIS SEISMIC SECTION WAS PROCESSED AT THE SEISMIC PROCESSING CENTRE OF THE BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS, CANBERRA, AUSTRALIA, BY PETER HILL

THIS DATA WAS ACQUIRED AS PART OF BMR PROJECT 9131.13
WEST TASMANIA SURVEY 1988
PROJECT LEADERS: N. EXON, C.S. LEE AND P.J. HILL

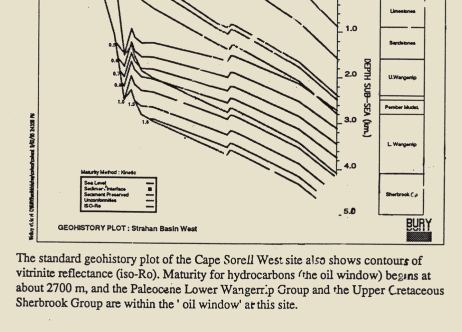
CAPE SORELL 1



The standard geohistory plot of Cape Sorell 1 well also shows contours of vitrinite reflectance (iso-Ro). Maturity for hydrocarbons (the oil window) begins at about 1900 m, and the Cretaceous Sherbrook Group, in which source potential has been observed (Appendix C of the well completion report), is well within the 'window'.



CAPE SORELL WEST



The standard geohistory plot of the Cape Sorell West site also shows contours of vitrinite reflectance (iso-Ro). Maturity for hydrocarbons (the oil window) begins at about 2700 m, and the Paleocene Lower Wangerrip Group and the Upper Cretaceous Sherbrook Group are within the 'oil window' at this site.

TASMANIA DEVELOPMENT AND RESOURCES

WEST COAST TASMANIA HYDROCARBON PROSPECTIVITY REPORT

Strahan Sub-basin
Seismic Line BMR 78-08

GEOLOGY BY LONMAN PTY LTD	ENCLOSURE: 5

5 cm