

SECOND QUARTER REPORT

YEAR 4

T18P

BASS STRAIT OIL & GAS N.L.

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**TPR
OR-0172**

seismic event of Dwg. 83/53).

GEOPHYSICAL

Five seismic horizons were mapped which can be referred to on the correlation section between Cormorant -1 and Bass -1 (Dwg. 83/53).

Dwg. 83/52 is the time structure map at the Top Eastern View. The event is easily interpreted on the 1 to 1½ km. grid shot by Hematite in 1977. Cormorant -1 was located well down dip on a major Top Eastern View closure, the highest part being on the south, south easterly trending horst known as the Turrah Prospect. The horst has been modified by compression and clear evidence of wrenching is apparent at the 1200 msec. crestal area.

In the uppermost Eastern View a prominent prograding beach sequence has been identified. The most easily mapped event was the Intra N. asperus ("pink"). It can be seen on Dwg. 83/51 that the structure has much greater amplitude at this depth than at the Top Eastern View. Westerly to west northwesterly prograding units beneath the pink event have been shown on the map. As this map is on the top of the oil sand at Cormorant, in the event any of the prograding wedges have sealing potential, there is the possibility that hydrocarbons could be present over an area represented by the 1340 msec. contour. This is high risk as there is not a lot of evidence for sealing shales around the pink event between Cormorant -1 and Bass -1.

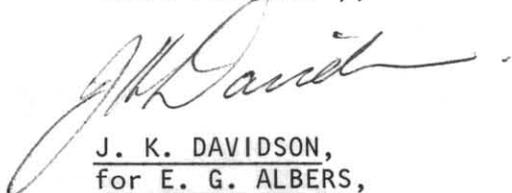
The Intra N. asperus ("green") seismic event is clearly an erosional unconformity. Mapping reveals that there is minimal closure at this level both at Cormorant on the Turrah horst. However, the shale on the unconformity is seen to improve towards Bass -1 (see Dwg. 83/53), so that the accumulation at Cormorant -1 is best represented by this map.

The Intra P. asperopolus map (Dwg. 83/50) shows the Cormorant structure to be almost absent with migration of hydrocarbons likely to the more updip Turrah location (then up the fault to the Top Eastern View at Turrah).

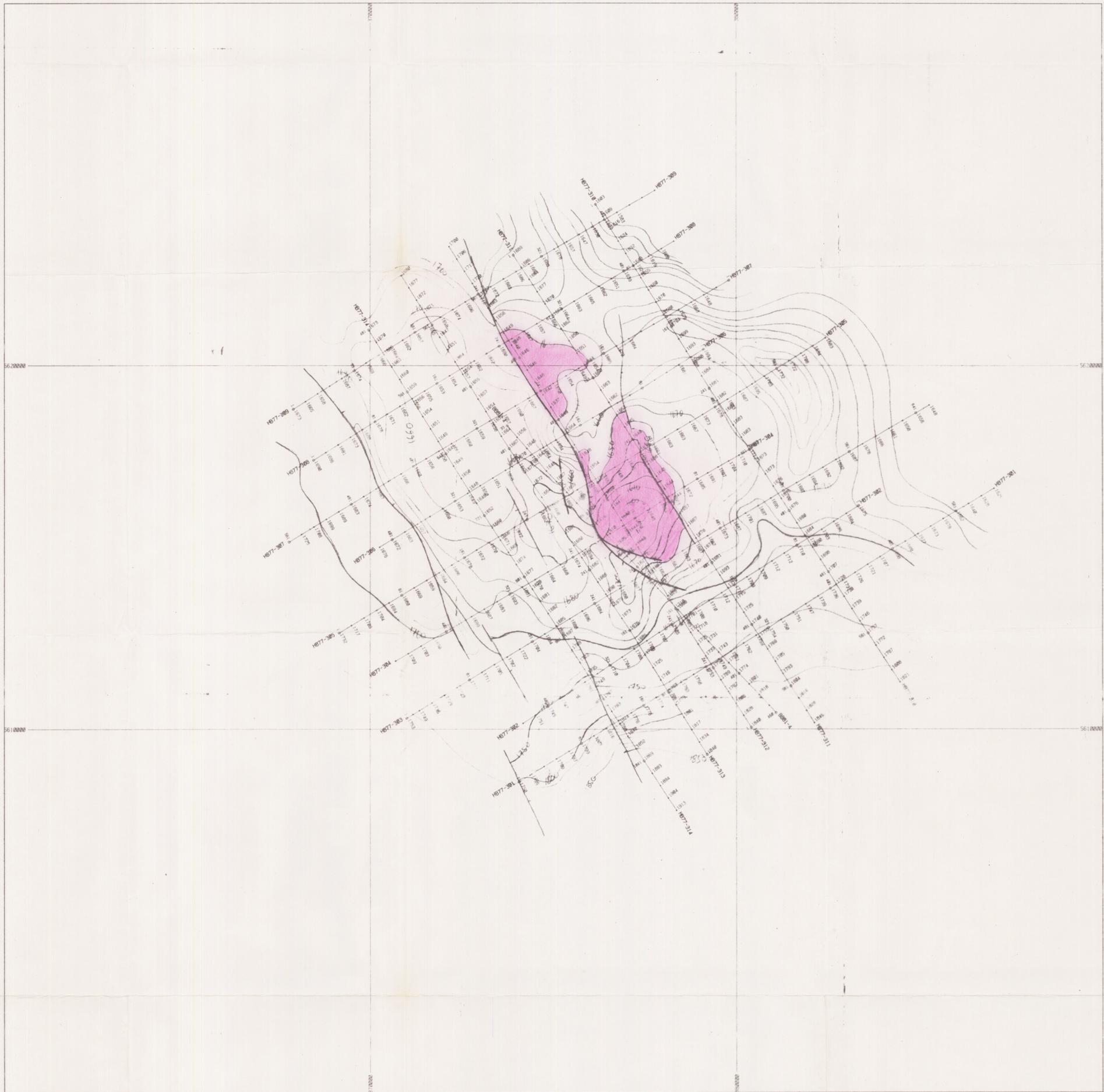
The deepest map, the M. diversus unconformity map shows the Cormorant structure to be almost non-existent, suggesting the deeper gas at Cormorant is probably stratigraphically trapped. The Turrah feature however, becomes more prominent at depth because of its horst genesis.

We consider Turrah is a prospect similar to Yolla. Yolla has a better chance of generating oil within the post M. diversus section because it is buried about 200 msec. deeper than Turrah. However, success at Yolla would cause encouragement on the two nearest horst blocks, viz., Tilana and Turrah.

Yours faithfully,



J. K. DAVIDSON,
for E. G. ALBERS,
CHAIRMAN.



TIME STRUCTURE MAP
TOP M DIVERSUS U/C

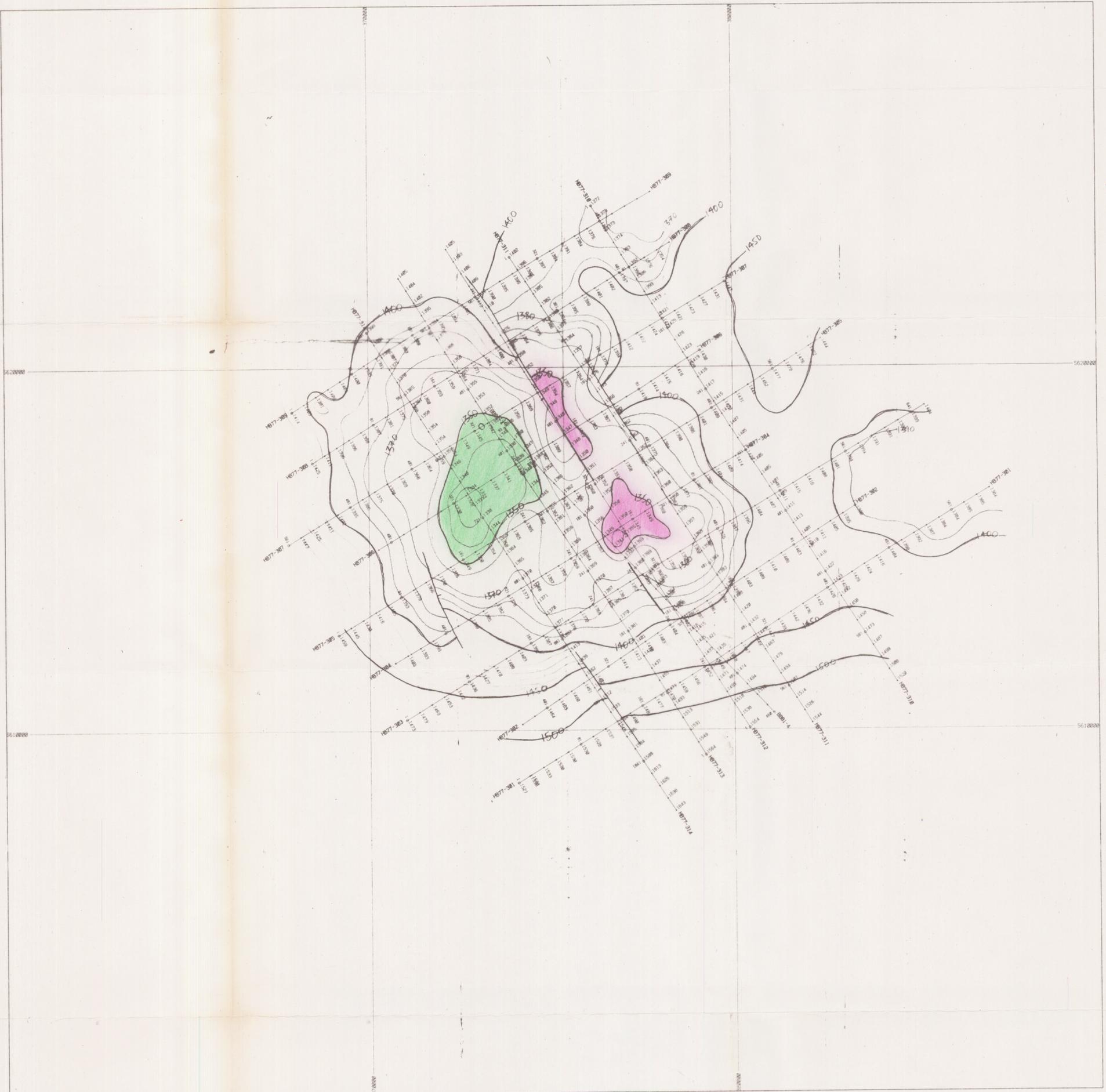
PETRECON	
A. Jones & Assoc.	83/46
D HORIZON TIME	
SCALE = 50,000	
DATE: 05-10-83h	IC with 6 cards
DRAWN BY: ANTHONY	

OR-0178



180004

T/EP Rev 11



TIME STRUCTURE MAP
 INTRA N. ASPENS EVENT
 (GREEN SEISMIC EVENT)



PETRECON	
A. Jones & Assoc.	83/47
C HORIZON TIME	
SCALE = 50,000	
DATE: 06-10-83	BY: C. L. MILLER

180005 OR-0170 1/188 P. 11

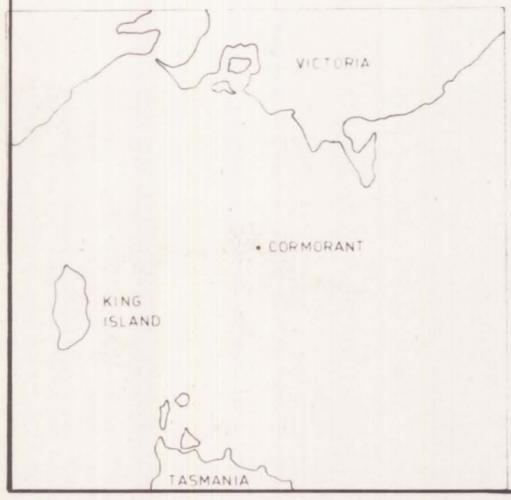
39° 30' S

145° 40' E



39° 40' S

145° 30' E



5 cm

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BASS STRAIT OIL & GAS N.L.
T18P - TURRAH PROSPECT
TIME STRUCTURE MAP
INTRA P. asperopolus HORIZON

83/50	
COMPILED	GJB, JKD
DRAWN	JP
DATE	18.11.83
SCALE	1:50 000
C.I.	10 ms

180006 OR-0172 T18P Part 1

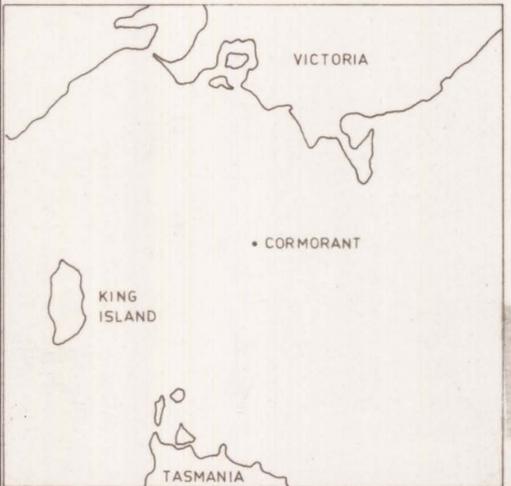
39° 30' S

145° 40' E



39° 40' S

145° 30' E



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180007

BASS STRAIT OIL & GAS N.L.

T18P - TURRAH PROSPECT
 TIME STRUCTURE MAP
 INTRA N.asperus (PINK SEISMIC EVENT)

83/51	
COMPILED	GJB, JKD
DRAWN	JP -
DATE	18.11.83
SCALE	1:50 000
c.i.	10 ms



CR-072 / 18P Part 1

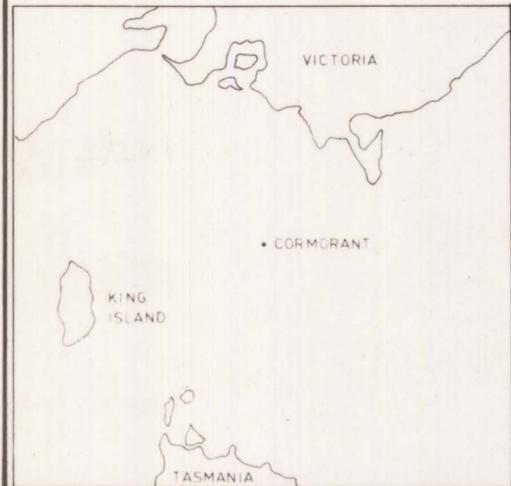
4

39°30'S

145°40'E



39°40'S



145°30'E



PETRECON AUSTRALIA PTY. LTD.

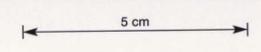
180008

BASS STRAIT OIL & GAS N.L.

83/52

T18P - TURRAH PROSPECT
 TIME STRUCTURE MAP
 TOP EASTERN VIEW GROUP

COMPILED	AWJ
DRAWN	JP
DATE	18.11.83
SCALE	1:50 000
C.I.	10 ms



T18P Part II OR-0172 ⑤

E O C E N E

CORMORANT - 1
S.P.

BASS - 1
S.P.

4280'

6100'

TOP EASTERN VIEW
L.N. asperus

N. asperus

NEARSHORE

SEISMIC

SCALE
0
100
200
300 FEET

PINK EVENT
BLUE EVENT

GREEN SEISMIC EVENT

T.O.C. 10%

N. asperus

L.N. asperus

NEARSHORE

SEISMIC

P. asperopolus

P. asperopolus

LOWER DELTA PLAIN - MARGINAL MARINE

SEISMIC

U.M. diversus

CYCLIC BEACH INTERVAL

P. asperopolus
INTRA. P. asperopolus
SEISMIC EVENT

TOP M. diversus

U.M. diversus

180009

5 cm



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CORMORANT - 1 . BASS - 1 S.P. AND SEISMIC CORRELATION	83/53
	COMPILED: K.M.
	DRAWN: D.F.
	DATE: 28-11-83
SCALE: 1:1200	FIGURE:

CR-012A. JHP/PA/1