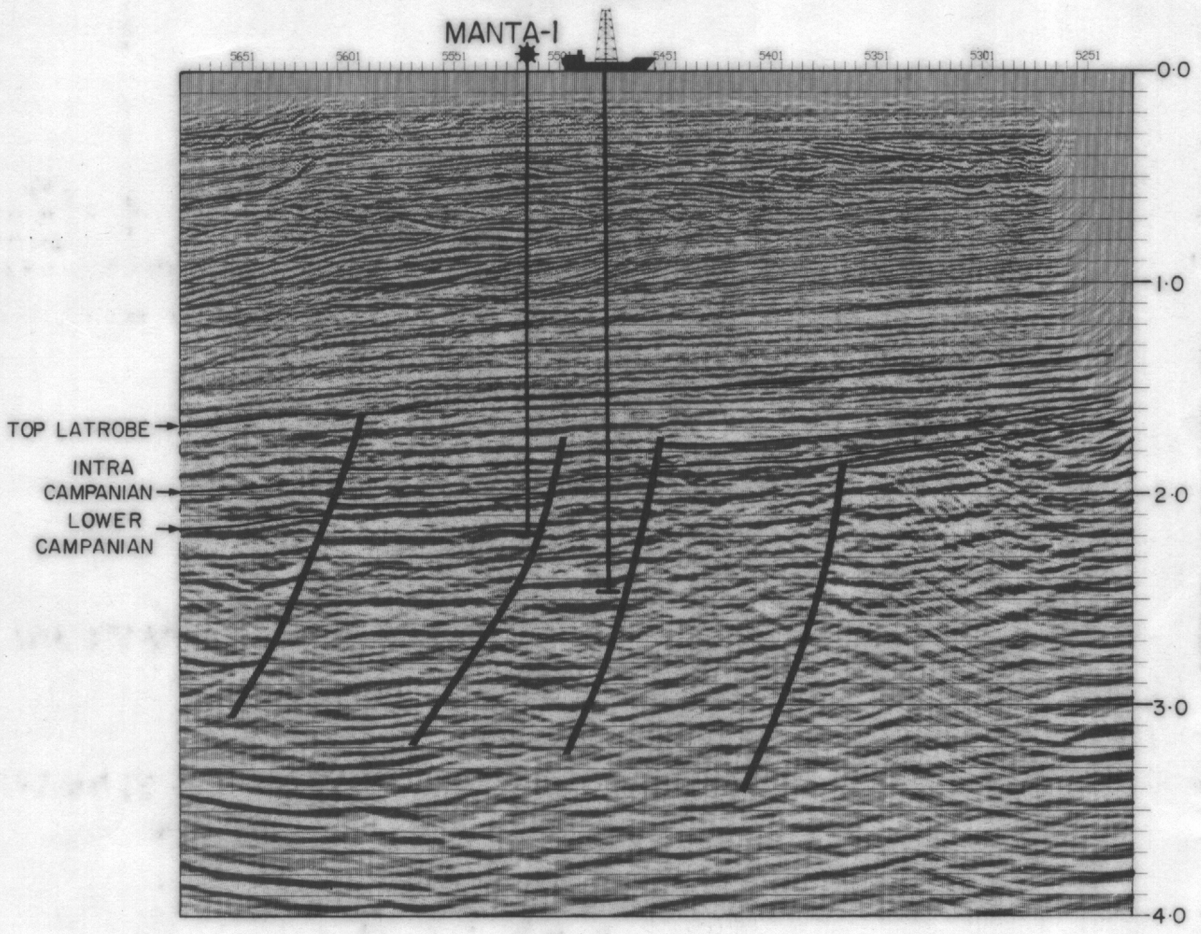
DEPT. NAT. RES & ENV
PE904812

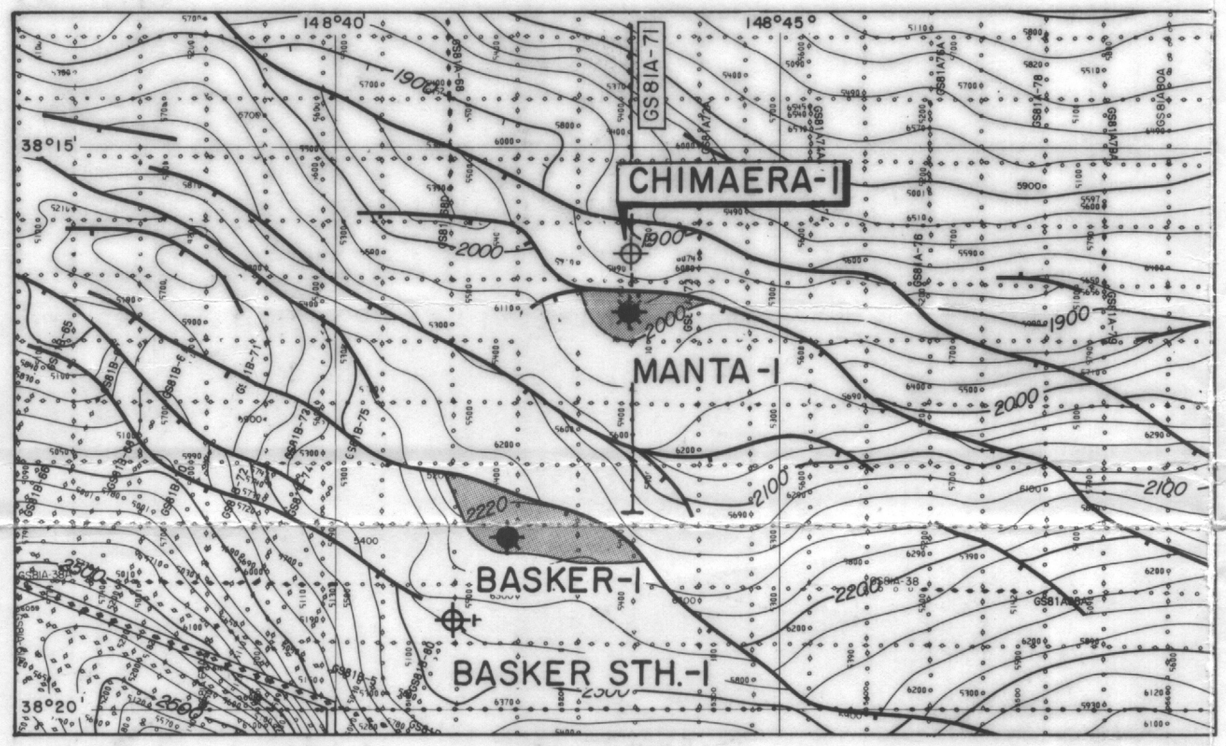
LINE GS81-71A

S — CHIMAERA-1 — N



MIGRATED SEISMIC SECTION

0 — 4 Km



MIGRATED TIME CONTOUR MAP
LOWER-CAMPANIAN MARKER

0 — 5 Km

Possible extent of hydrocarbons

SUMMARY

LOCATION : 12·5 km SW of Hammerhead and 1 km N of Manta-1 at S.P. 5480 on line GS 81A – 71A

TRAP AND OBJECTIVE : Fault trap within the Campanian and older Latrobe Group. The objectives of the well are:

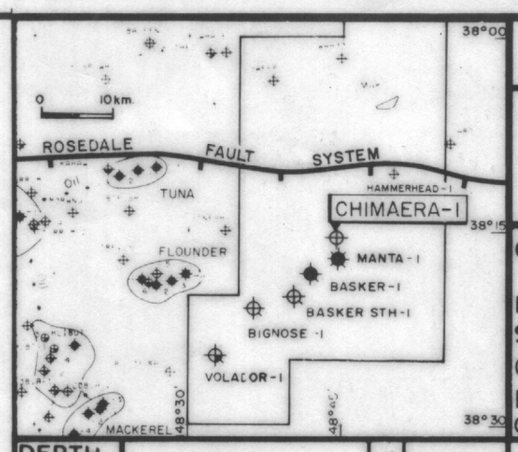
1) Fluvial Campanian sandstones above the volcanic section and
2) Santonian alluvial fan facies sandstones within the volcanics.

RESULTS : No significant hydrocarbons were found in either of the objectives. Log interpretation indicated 4m of probable gas at the top of a sandstone at 3100m, within the volcanic section.

CONCLUSIONS : Lack of lateral seal is seen as the main reason for the failure of the Chimaera trap. This was a significant risk associated with the prospect.
RFT pressure data indicate the Manta fault is sealing below 3230m, probably providing the lateral seal for the gas/condensate accumulation found in Manta-1.

SOURCES OF DATA

DATE	AUTHOR	TITLE	UPDATES
1981	SDA	48 FOLD SEISMIC SURVEY (GS81A) 1 x 1 km	



SHELL - AUSTRALIA E.& P. OIL AND GAS.

GIPPSLAND BASIN

CHIMAERA-1

WELL SUMMARY SHEET

NFW

CO-ORDS: LAT. 38°15'56·37"S
LONG. 148°43'19·16"E
PERMIT No.: VIC/P19
STATE: VICTORIA
OPERATOR: SHELL (40%)
PARTNERS: NEWS (20%) TNT (20%) CRUSADER (15%) MINCORP (5%)

ELEVATION D.F. 25m.
WATER DEPTH 130m
PROPOSED DEPTH 3850m.
RIG FORAMER NYMPHEA
SPUDDED 28·3·84
COMPLETED 19·5·84
TYPE COMP. P & A.

DEPTH BDF FEET	DEPTH BDF METRES	TIME STRATIGRAPHY	ENVIRON.	CASING CORES SWS	LITHOLOGY & INDICATIONS	ROCK STRATIGRAPHY REGEO CODES	SEIS. MRK.	LOGS
					SEA LEVEL 25m.			
				30" 202m.	SEA FLOOR 155m.			NO LOGS
	500	TERTIARY	SLOPE AND SHELF	20" 653m.	Mrl qe, foss sft	GIPPSLAND LIMESTONE		
	1000	PLIOCENE TO MIOCENE				1493m		
	1500					LAKES ENTRANCE FORMATION		
	2000	OLIGOCENE		9 5/8" 1957m		1923m		
		EOCENE				FLOUNDER FM 2003m		
	2500	PALEOCENE	BARRIER/NERITIC		Sst, qy unconsol. f – crs	2093m	MP	DLL/MSFL/GR/CAL/SP LDL/CNL/GR LSS/GR
	3000		COAST PLAIN			2271m	LP	
	3500	CRETACEOUS MA	BACK BARRIER		Intbd sst f–crs sltst, clst and minor coal.	2384m	MM	DLL/MSFL/GR/SP/CAL LDL/CNL/GR
	4000		COASTAL PLAIN			2510m	IC	
	4500	CA				2699m	LC	
	5000	?—?			Intbd volcs, sst f–m, arg, lithic and sltst.			
	6000	CA/SA	ALLUVIAL		RFT 1			
	7000							
	8000							
	9000							
	10000					3444m	A	DLL/MSFL/GR LDL/CNL/GR
	11000							
	12000	SA/CO					B	DLL/MSFL/CAL LDL/CNL/GR HDT LSS/GR
	13000					3756m		
	14000				TD 3826m.			
	15000							

RFT 1 3101m Rec 22 litres filtrate
0·5 cuft gas.

OIL and GAS DIVISION
19 NOV 1984
Mimaera W.C.R.

Author: EXH/4	Date: November 1984	Encl. 2
Report No.: SDA 610	Drawing No.: 19939	