W.C.R. OMEO No 1

ENCLOSURE 2

OIL and GAS DIVISION

FINAL STACK

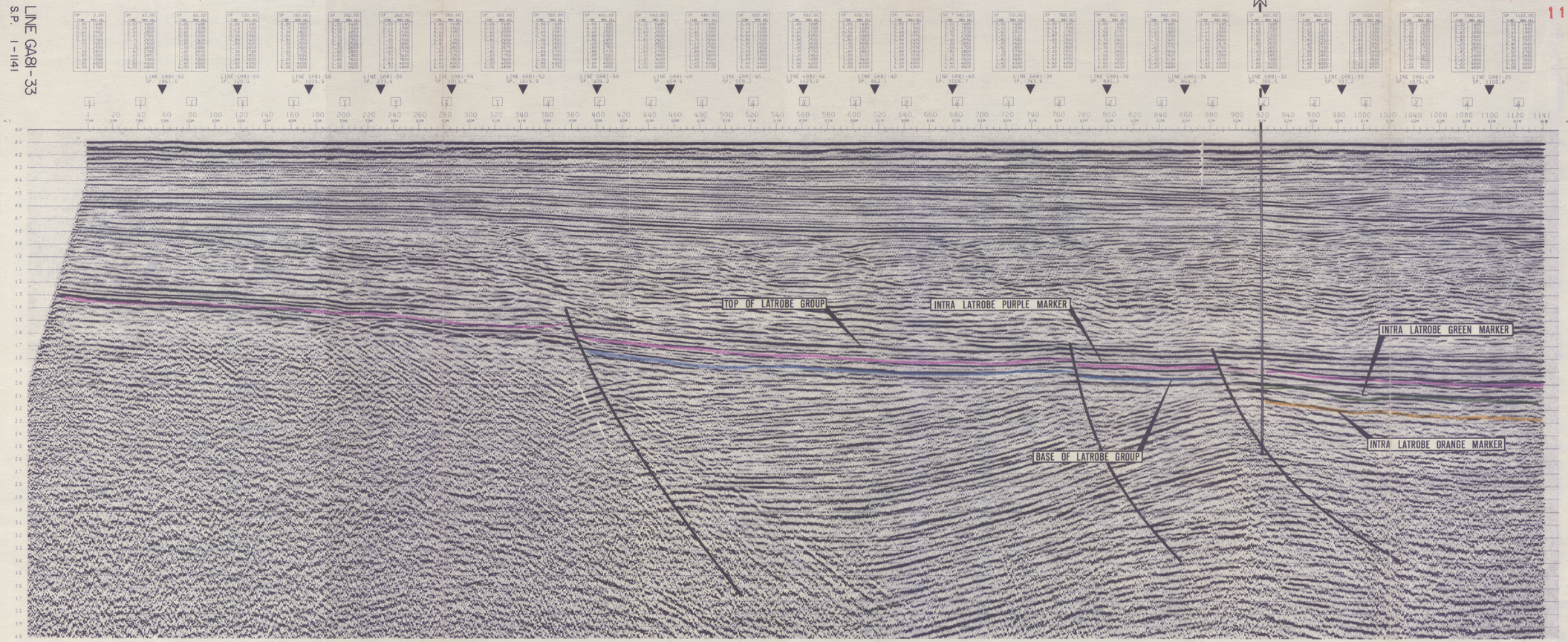
1 1 AUG 1983 AIR GUN

LINE: GA81-33

S.P. 1 to S.P. 1141

LINE GA81-33

S.P. 1-1141



LEGEND
V = INTERSECTION
V = VELOCITY ANALYSIS
WATER DEPTH IN METRES

NE
SHOT DIRECTION = 045° DEGREES
1 KM SCALE

4800% TIME SECTION (STK, TVF, AGC)

AUSTRALIAN AQUITAINE PETROLEUM
GA81 SEISMIC SURVEY

AREA : VIC / P17

WESTERN GEOPHYSICAL
DIVISION OF LITTON INDUSTRIES
SINGAPORE DIGITAL CENTRE

RECORDED NOVEMBER 1981
PROCESSED JANUARY 1982
FINAL REEL NO. 314889

RECORDING DATA

BOAT	Western Odyssey	Party 86
	Navigation	Mestran
	Map Locations	CDP Position
SOURCE	Air Guns	5500 psi. 5500 cu. ins.
	Gun Depth	6 m.
	S.P. Interval	25 m.
	Pop Interval	25 m.
	Shooting Rate	40 Pops / km.
	Pops / S.P.	1
INSTRUMENTS	System	DFS 3C
	Filter	8 Hz - 128 Hz
	Record Length	3 sec.
	Sample Rate	2 ms.
	Format	Sep-B
	Polarity	Normal
CABLE	Streamer	2400 m.
	Groups	96
	Seismometers	20 per group
	Group Interval	25 m.
	Lead In	245 m.
	Cable Depth	11 m. average

AIRGUNS: 77 ft. 205ft. 237ft. 25ft. 99 95 94 93 92 4 3 2 1

DATUM PLANE SEA LEVEL

CORRECTION APPLIED

GUN DEPTH	+ 004 ms.
CABLE DEPTH	+ 007 ms.
TOTAL CORR.	+ 011 ms.

POLARITY NORMAL

COMPRESSION PULSE REPRESENTED BY NEGATIVE NUMBER (TROUGH)

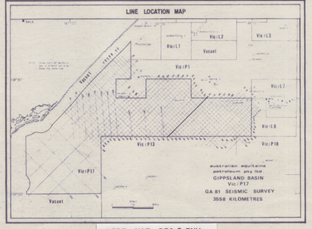
PROCESSING SEQUENCE PARAMETERS

EDIT	Demultiplex to trace sequential, Geophone amplitude fl. pt.
	Sample rate 4 ms.
ATS	Summing 2 adjacent traces 4 ms.
PRE-PROCESSOR	Data arranged into common depth families
D.B.S.	Geometric spreading compensation
	Conversion to fixed point format
	D.B.S. type - least squares
	Minimum phase inverse filter
	2 equal windows
	Auto corr. length 192 ms.
	Min. prediction lag. 12 ms.
	Operator length 200 ms.
	Sample rate 4 ms.
VELOCITY ANALYSIS	Every 40 cdps 2 cdps / analysis
N.M.O.-STACK	4800% N.M.O. correction
	Sample rate 4 ms.
RESIDUAL	Q.C. of stacking velocities
	Restack if necessary
T.V. FILTER	Slope 18-36 dB / Oct.

Time Zone	L.C.	H.C.
2000	18	90
1000	15	90
2000	12	80
3000	8	70
4000	8	60

	Sample rate 4 ms.
GAIN	A.G.C. gain 600 ms. window
SUBSAMPLING	Sample rate 2 ms.
PLAYBACK	Scale - Horizontal 20 in / cm.
	Vertical 5 cm. / sec.
	Sample rate 2 ms.
	Geotrace gain 13 dB

LINE LOCATION MAP



DEPT. NAT. RES & ENV
PE902614

PG/191/83
Dwg No. 21992