177001

THIRD QUARTERLY REPORT

YEAR 3

T18P

BASS STRAIT GAS & OIL (HOLDNGS) N.L.

TPR
OR-169

Enclosures;

1. Bass Basin T18P Time Structure Map Near Base Tertiary
2. Bass Basin T18P Time Structure Map Top Eastern View
3. Bass Basin Line BBS81-15 NE-SW over Top Eastern View Prospect
4. Bass Basin Line BB82A-13 NE-SW Over Base Tertiary Prospect
5. Bass Basin Line BB82A-15 NE-SW Over Top Eastern View Prospect

T/18P Part 8

177003

PETRECON AUSTRALIA PTY. LTD.

Petroleum Exploration Consultants

192 Macquarie Street
Hobart 7000 Australia
Ph. (002) 31 0122
Telex: AA58209

21st March, 1983.

Bass Strait Oil & Gas[Holdings] N.L.

The Director,
Department of Mines,
G.P.O. Box 124B,
HOBART. 7001

Dear Sir,

Re: Second Quarterly Report, Year 3, T18P

This report relates to work carried out by Bass Strait Oil & Gas [Holdings] N.L. as operator for the consortium which holds title to T18P for the period 24 October, 1982 to 23 January, 1983.

Geophysical

Interpretation of the BB82A seismic survey was completed during the report period.

a] Top Eastern View

Enclosed is a time structure map of the Top Eastern View in the Southern panhandle portion of T18P. The map shows a normal fault closure in the far northwest. Another similar feature has been mapped a little to the northwest of the diagram. These features are structually similar to that at Bass 3 to the south-east except that both appear to have a thicker sedimentary section. Bass - 3 drilled a doubtful to minimal closure with an Upper Cretaceous Section resting on basement. Following the Bass - 3 high to the South, the sedimentary section thickens and the effects of compression are apparent. Three compressional anticlines are mapped. The most prominent being the middle one on line BB82-15 [enclosure 2]. The feature has a clear 4-way dip and is probably updip from the anticline immediately to the N.W. which in turn is updip from the light oil show in the Paleocene at Bass 3.

.../2

b] Base Tertiary

Enclosed is a time structure map near the Base Tertiary and is located near the centre of enclosure 1. Two highs are mapped on the horst blocks, the geometry of which is displayed on line BB82A-13 [enclosure 4]. Further structures are evident to the northwest and south-east.

Farmout

The consortium is still proceeding with farmout negotiations.

Yours faithfully,

J.K. Davidson

for:
E. G. ALBERS
CHAIRMAN.

177005

PETRECON AUSTRALIA PTY. LTD.

Petroleum Exploration Consultants

192 Macquarie Street
Hobart 7000 Australia
Ph. (002) 31 0122

telex AA57019

30th May, 1983.

BASS STRAIT OIL & GAS (HOLDINGS) N.L.

The Director,
Department of Mines,
P.O. Box 56,
ROSNY PARK .. TAS .. 7018.

Dear Sir,

RE: Third Quarterly Report, Year 3, T18P.

This report relates to work carried out by Bass Strait Oil & Gas (Holdings) N.L. as operator for the consortium which holds title to T18P for the period 24 January, 1983 to 23 April, 1983.

Geological and Geophysical

In the last quarterly report we inadvertently enclosed a copy of seismic line BB82A-15 instead of BBS81-15 in order to demonstrate the compressional anticlines in the southern panhandle portion of the permit. Thus BBS81-15 is "Enclosure 2" of the previous quarterly report.

Routine geophysical mapping and geological studies continued on the permit. Most of the technical effort was directed towards providing data and answering questions related to the farmout.

Farmout

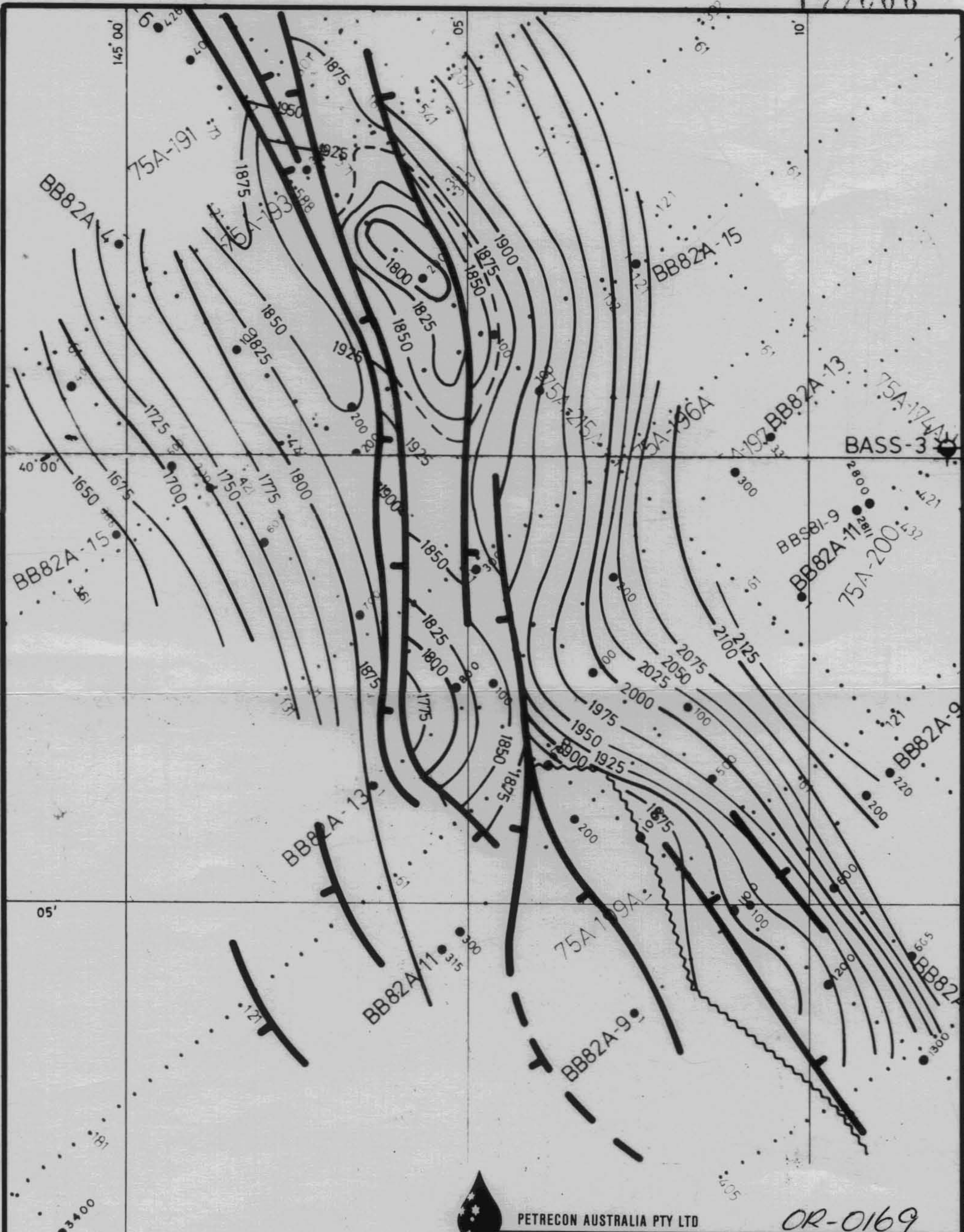
The consortium is still proceeding with farmout negotiations.

Yours faithfully,

J. K. DAVIDSON.

for E. G. ALBERS
CHAIRMAN.

177006



CONTOUR INTERVAL 25 MILLISECONDS T.W.T.

PETRECON AUSTRALIA PTY LTD

OR-0169

BASS BASIN (BASS STRAIT OIL & GAS)	82/13
T18P TIME STRUCTURE MAP NEAR BASE TERTIARY	COMPILED G.J.B.
	DRAWN M.R.D.
	DATE 8-11-82
	SCALE 1:100 000
	FIGURE 17

5 cm

(1)

PETRECON AUSTRALIA PTY LTD

BASS BASIN 177007

(BASS STRAIT OIL & GAS)

T18P
TIME STRUCTURE MAP
TOP EASTERN VIEW

82/14	
COMPILED:	G.J.B.
DRAWN:	M.R.D.
DATE:	9-11-'82
SCALE:	1: 100 000
FIGURE:	15

OR-0169

②

177008

BASS STRAIT OIL & GAS N.L.

BASS BASIN TAS T18P

LINE BBS81-15 SP. 1 TO 1031
FINAL STACK

ACQUISITION

BOAT	EUGENE MCDERMOTT II	PARTY 2931
SURVEY	NAVIGATION	MAXIRAN
	SHOTPOINTS ANNOTATED	ON SOURCE
	SHOTPOINT INTERVAL	25 METRES
	POP INTERVAL	25 METRES
SOURCE	AIRGUN	23.76 LITRES
	AIR PRESSURE	13.8MPASCALS
	GUN DEPTH	6 METRES
RECORDING	INSTRUMENTS	DFSV - 1SYSTEM
	POLARITY TROUGH	+VE REFL.COEFF.
	FORMAT	SEG B
	SAMPLE RATE	2 MSEC
	RECORD LENGTH	5 SEC.
	FILTER: LO 8 HZ	18 DB/OCTAVE
	HI 128 HZ	72 DB/OCTAVE
CABLE	LENGTH	2395M (C TO C)
	OFFSET	210 METRES
	NUMBER OF GROUPS	96
	GROUP INTERVAL	25 METRES
	HYDROPHONES/GROUP	15
	CABLE DEPTH	12-14 METRES

DATE RECORDED FEBRUARY 1981

PROCESSING

1. TRUE AMPLITUDE RECOVERY
   ALPHA=4DB/SEC T2=3.5 SEC
2. RESAMPLE 2-4MSEC
3. AIRGUN DELAY: -51 MSEC
4. PREDECONVOLUTION RAMPING
5. 48 FOLD CDP GATHER
6. TIME VARIANT DECONVOLUTION
   2 X 200MSEC OPERATORS 24MSEC GAP
7. SCALING 1 GATE 3000MSEC UNITY SCALERS
8. VELSCAN VELOCITY ANALYSIS(1 PER 3KM 11DPS)
9. SHOT AND RECEIVER STATICS
10. NORMAL MOVEOUT
11. 48 FOLD CDP STACK
12. TIME VARIANT DECONVOLUTION
13. BANDPASS FILTERING
    10-60HZ FILTER 47 POINT OPERATOR
14. TIME VARIANT SCALING
    3 X 2SEC GATES 50% OVERLAP
    UNITY SCALERS

DISPLAY

POLARITY	NORMAL
SCALE	HORIZ- 24 TPI
	VERT - 5 IPS
MODE	WIGGLE TRACE/VAR ; 10% BIAS

SCALE IN KILOMETRES
1:11811

0KM 1KM 2KM

PROCESSED BY GSI PARTY 6854
SYDNEY, NEW SOUTH WALES
JUNE 1981

QUALITY CONTROL BY: CK

PETRECON AUSTRALIA PTY LTD OR-0169

BASS BASIN (BASS STRAIT OIL & GAS N.L.)	83/1
LINE BBS81-15 NE-SW OVER TOP EASTERN VIEW PROSPECT	COMPILED G.J.B. DRAWN M.R.D. DATE 26-5-83

5 cm

(3)

(4) OR-0169

177009

LINE BB82A-13
S.P. 1 TO 330

BASS STRAIT OIL, GAS N.L.
T 18P
SYDNEY PROCESSING CENTRE

MSTK TVD/TVF/TVS

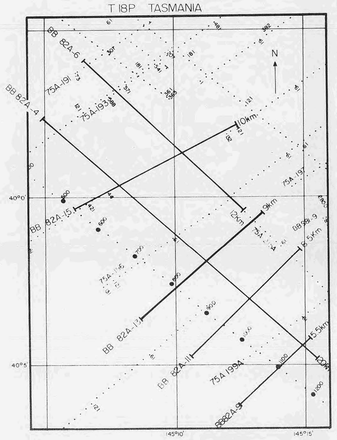
FIELD DATA

DATA SHOT BY	GSI PARTY 2993 M.V. LADY VILMA
DATE SHOT	APRIL 1982
RECORDING INSTRUMENTS	DFS V
RECORDING FILTERS	HIGH FILTER AND SLOPE 128 HZ 72 DB/OCT LOW FILTER AND SLOPE 8 HZ 18 DB/OCT
RECORDING POLARITY	A POSITIVE PRESSURE AT THE GEOPHONE PRODUCES A NEGATIVE NUMBER ON TAPE AND A DOWNWARD DEFLECTION ON THE FIELD MONITOR RECORD
DIGITAL TAPE FORMAT	SEG B 1600 BPI PHASE ENCODED
RECORD LENGTH SAMPLE RATE	5.0 SECONDS AT 2 MILLISECOND SAMPLE RATE
ENERGY SOURCE	4075 CU IN AIRGUN ARRAY OPERATING AT 2000 PSI
GUN DELAY	51.2 MILLISECONDS
SOURCE DEPTH	6 METRES AVERAGE
SOURCE TO ANTENNA DISTANCE	57.88 METRES
SHOTPOINT INTERVAL	33.3 METRES, 1 POP PER SHOTPOINT
SHOTPOINT ANNOTATION	SHOTPOINTS ANNOTATED AT SOURCE POSITION
CABLE LENGTH	3200 METRES 96 GROUPS
CABLE DEPTH	13 METRES AVERAGE
GEOPHONES	20 PER GROUP
COVERAGE	48 FOLD 96 TRACE
PRIMARY NAVIGATION SYSTEM	MAXIRAN
BACKUP NAVIGATION SYSTEM	GEONAV

SPREAD DIAGRAM

DIGITAL PROCESSING

POLARITY CONVENTION	THE POLARITY OF THE FIELD RECORDING WAS MAINTAINED THROUGHOUT THE PROCESSING AND DISPLAY
PROCESSING RECORD LENGTH	5.0 SECONDS
RESAMPLE	MINIMUM PHASE RESAMPLE FROM 2 TO 4 MSEC
PROCESSING SAMPLE RATE	4 MILLISECONDS
STATIC CORRECTIONS	SHOT AND STREAMER STATIC 13 MILLISECONDS AIRGUN DELAY 51.2 MILLISECONDS
TRUE AMPLITUDE RECOVERY	7.0 DB PER SECOND FROM 0.70 5.0 SECONDS SPHERICAL DIVERGENCE CORRECTIONS APPLIED
PRE DECONVOLUTION MUTE	RAMP LENGTH = 96 MSECS OFFSET(M) START TIME(MSECS) 496 0 529 500 1896 1900 3495 3000
DESIGNATURE V4	STANDARD MARINE WAVELET
VELOCITY ANALYSIS	USING 5 DEPTH POINT VELSCAN ANALYSIS LOCATED 1 EVERY 3 KMS
NORMAL MOVEOUT CORRECTION	USING ANNOTATED VELOCITIES (CHOSEN BY CLIENT)
FIRST BREAK SUPPRESSION	START TR 2 AT 0 MSECS START TR 3 AT 500 MSECS START TR 21 AT 1800 MSECS START TR 48 AT 3400 MSECS
COMMON DEPTH POINT STACK	48 FOLD CDP STACK TO 5.0 SECONDS
MIGRATION STACK	WAVE EQUATION - WIDE ANGLE TO 4.0 SECONDS
TIME VARIANT DECONVOLUTION	GAPPED 2 GATES, FILTER LENGTH 208MS + GAP 32MS START TIME 200MS
TIME VARIANT FILTERING	FREQUENCY (HZ) TIME (MSECS) 15 65 0 15 60 800 12 50 1500 10 45 2200 10 40 3000 10 37 4000
TIME VARIANT SCALING	USING 2000 MSEC GATES START TIME 200 MSECS



DISPLAY

HORIZONTAL SCALE	24.0 TR/IN	60.006012 TR/KM	DISPLAY GAIN
VERTICAL SCALE	5.0 IN/SEC		
POLARITY	NORMAL		
TRACE TYPE BIAS	VIVAN	10.0 PERCENT	
DATUM	SEA LEVEL		
DISPLAY UNIT	0.677333 CM		

25 SEP 1982
00 49 40

PARITY 8863

PETRECON AUSTRALIA PTY LTD

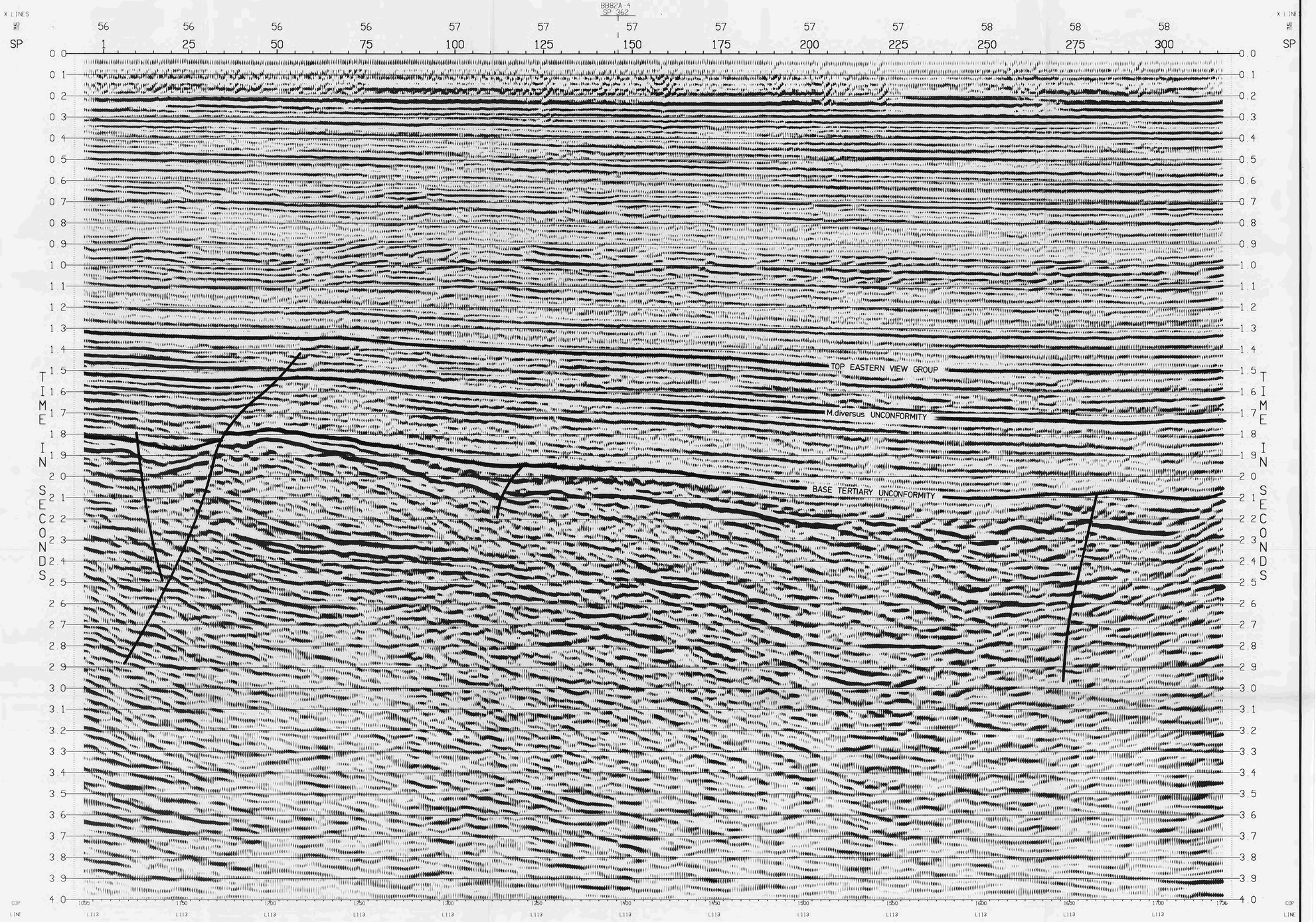
BASS BASIN
(BASS STRAIT OIL & GAS N.L.)

82/18

LINE BB82A 13
NE-SW OVER
BASE TERTIARY PROSPECT

DRAWN	G.J.B.
DATE	10-12-82
SCALE	
FILM	18

5 cm



(5) OR-0169

177010

LINE BB82A-15
S.P. 1 TO 366

BASS STRAIT OIL, GAS N.L.
T 18P
SYDNEY PROCESSING CENTRE

63 DEGREES → ← DIRECTION SHOT

MSTK TVD/TVF/TVS

FIELD DATA

DATA ACQ BY	GSI PARTY 2993 M V LADY VILMA
DATE ACQ	APRIL 1982
RECORDING INSTRUMENTS	DFS V
RECORDING FILTERS	HIGH FILTER AND SLOPE 128 HZ 72 DB/OCT LOW FILTER AND SLOPE 8 HZ 18 DB/OCT
RECORDING POLARITY	A POSITIVE PRESSURE AT THE GEOPHONE PRODUCES A NEGATIVE NUMBER ON TAPE AND A DOWNWARD DEFLECTION ON THE FIELD MONITOR RECORD
DIGITAL TAPE FORMAT	SEG B 1600 BPI PHASE ENCODED
RECORD LENGTH / SAMPLE RATE	5 0 SECONDS AT 2 MILLISECOND SAMPLE RATE
ENERGY SOURCE	4075 CU IN AIRGUN ARRAY OPERATING AT 2000 PSI
GUN DELAY	51 2 MILLISECONDS
SOURCE DEPTH	6 METRES AVERAGE
SOURCE TO ANTENNA DISTANCE	57 88 METRES
SHOTPOINT INTERVAL	33 3 METRES. 1 POP PER SHOTPOINT
SHOTPOINT ANNOTATION	SHOTPOINTS ANNOTATED AT SOURCE POSITION
CABLE LENGTH	3200 METRES. 96 GROUPS
CABLE DEPTH	13 METRES AVERAGE
GEOPHONES	20 PER GROUP
COVERAGE	48 FOLD. 96 TRACE
PRIMARY NAVIGATION SYSTEM	MAXIRAN
BACKUP NAVIGATION SYSTEM	GEONAV

SPREAD DIAGRAM

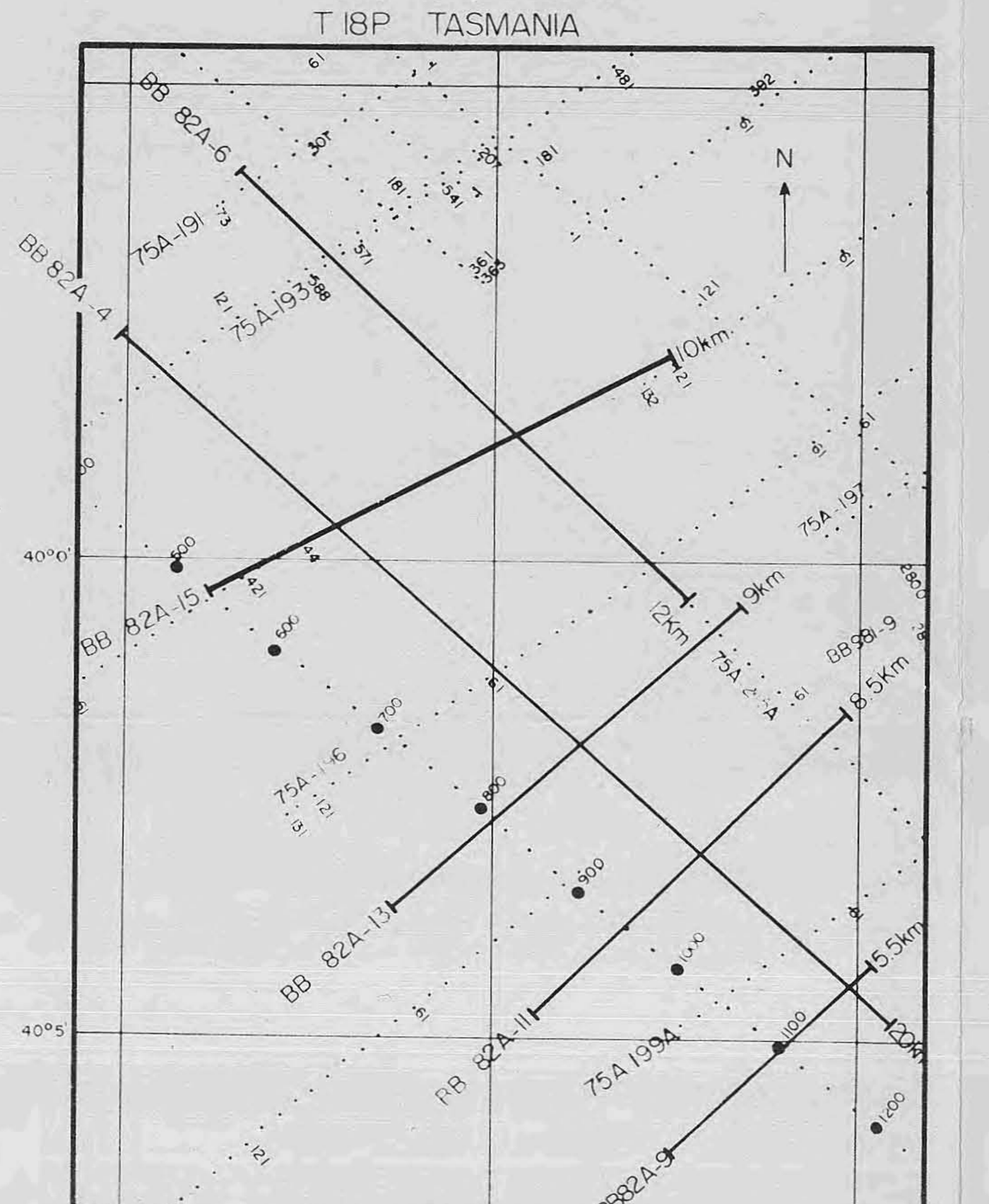
3167 M

96 GEOPHONE GROUPS

DIGITAL PROCESSING

POLARITY CONVENTION	THE POLARITY OF THE FIELD RECORDING WAS MAINTAINED THROUGHOUT THE PROCESSING AND DISPLAY
PROCESSING RECORD LENGTH	5 0 SECONDS
RESAMPLE	MINIMUM PHASE RESAMPLE FROM 2 TO 4 MSEC
PROCESSING SAMPLE RATE	4 MILLISECONDS
STATIC CORRECTIONS	SHOT AND STREAMER STATIC 13 MILLISECONDS AIRGUN DELAY 51 2 MILLISECONDS
TRUE AMPLITUDE RECOVERY	7 0 DB PER SECOND FROM 0 TO 5 0 SECONDS SPHERICAL DIVERGENCE CORRECTIONS APPLIED
PRE DECONVOLUTION MUTE	RAMP LENGTH 96 MSECS OFFSET(M) START TIME(MSECS) 496 0 529 500 1896 1900 3495 3000
DESIGNATURE V4	STANDARD MARINE WAVELET
VELOCITY ANALYSIS	USING 5 DEPTH POINT VELSCAN ANALYSES LOCATED 1 EVERY 3 KMS
NORMAL MOVEOUT CORRECTION	USING ANNOTATED VELOCITIES (CHOSEN BY CLIENT)
FIRST BREAK SUPPRESSION	START TR 2 AT 0 MSECS START TR 3 AT 500 MSECS START TR 21 AT 1800 MSECS START TR 48 AT 3400 MSECS
COMMON DEPTH POINT STACK	48 FOLD CDP STACK TO 5 0 SECONDS
MIGRATION STACK	WAVE EQUATION WIDE ANGLE TO 4 0 SECONDS
TIME VARIANT DECONVOLUTION	GAPPED. 2 GATES. FILTER LENGTH 208MS · GAP 32MS START TIME 200MS
TIME VARIANT FILTERING	FREQUENCY (HZ) TIME (MSEC) 15 65 0 15 60 800 12 50 1500 10 45 2200 10 40 3000 10 37 4000
TIME VARIANT SCALING	USING 2000 MSEC GATES START TIME 200 MSECS

T 18P TASMANIA



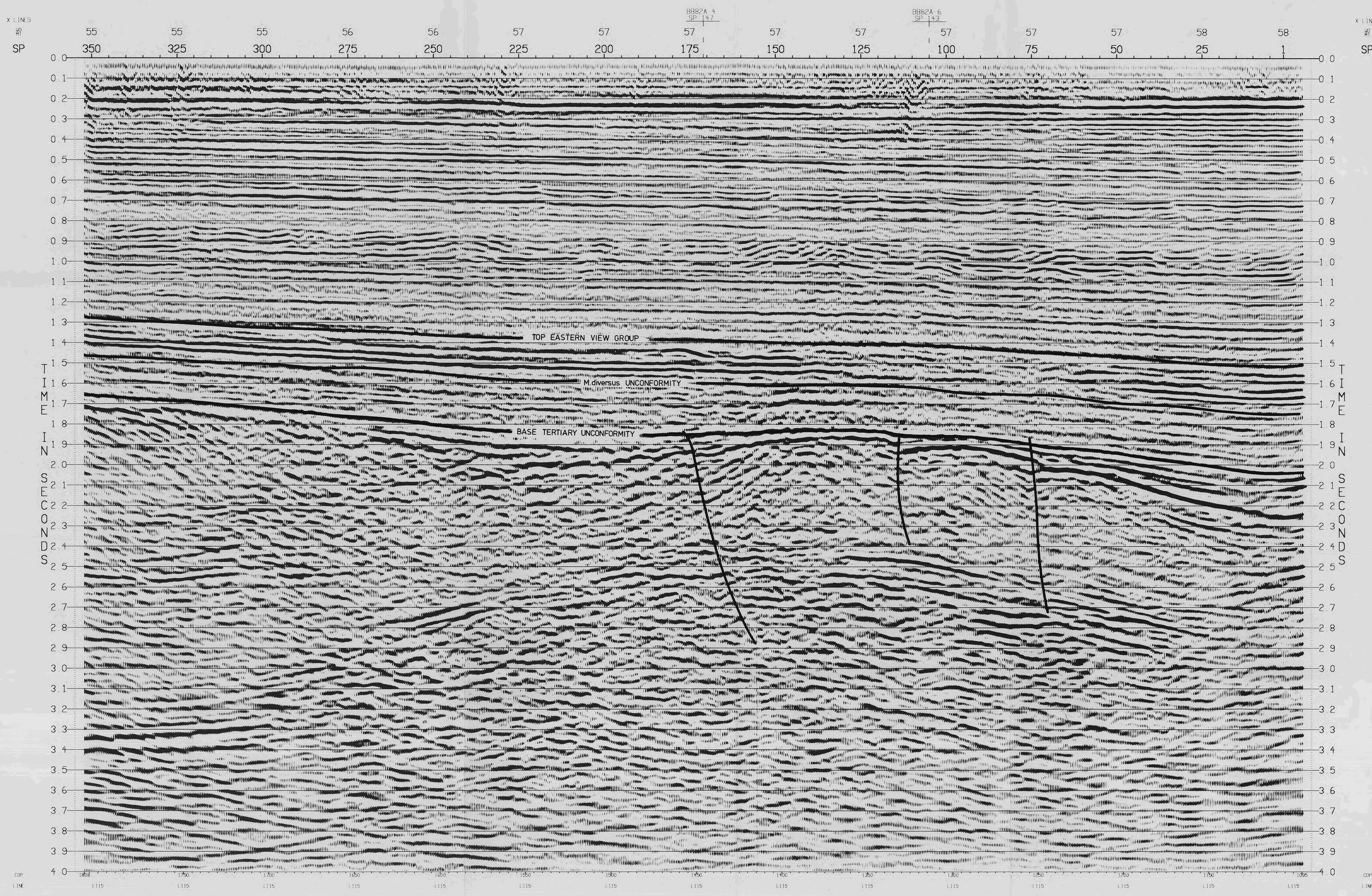
DISPLAY

HORIZONTAL SCALE	24 0 TR/IN 60 006012 TR/KM
VERTICAL SCALE	5 0 IN / SEC
POLARITY	NORMAL
TRACE TYPE BIAS	UTVAR 10 0 PERCENT
DATUM	SEA LEVEL
DISPLAY UNIT	0 677333 CM

DISPLAY GAIN

25 SEP 1982
00 59 59

PARTY 6860



PETRECON AUSTRALIA PTY LTD

BASS BASIN (BASS STRAIT OIL & GAS N.L.)	82/17
LINE BB82A-15 NE-SW OVER TOP EASTERN VIEW PROSPECT	COMPILED G.J.B DRAWN DATE 10-12-82 SCALE FIGURE 16

5 cm