

LINE BB82A-13

S.P. 1 TO 330

BASS STRAIT OIL, GAS N.L.

T 18P

SYDNEY PROCESSING CENTRE



FIELD DATA

DATA SHOT: GSI PARTY 2993 M V LADY VILMA
 DATE SHOT: APRIL 1982
 RECORDING INSTRUMENTS: DTS V
 RECORDING CHANNELS: HIGH FILTER AND SLOPE 128 HZ 72 DB/OCT
 RECORDING POLARITY: LOW FILTER AND SLOPE 8 HZ 6 DB/OCT
 RECORDING VELOCITY: 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: 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: 4 METRES
 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: AIRGUN DELAY 51.2 MILLISECONDS
 TRUE AMPLITUDE RECOVERY: 7.0 DB PER SECOND FROM 0 TO 5.0 SECONDS
 PRE DECONVOLUTION MUTE: SPHERICAL DIVERGENCE CORRECTIONS APPLIED
 RAMP LENGTH: 96 MSEC

OFFSET (M)	START TIME (MSEC)
496	0
529	500
1896	1800
1935	1800

DESIGNATURE: V4
 VELOCITY ANALYSIS: STANDARD MARINE WAVELET
 USING 5 DEPTH POINT VELOCITY ANALYSIS
 LOCATED 1 EVERY 3 KMS
 USING ANNOTATED VELOCITIES (CHOSEN BY CLIENT)

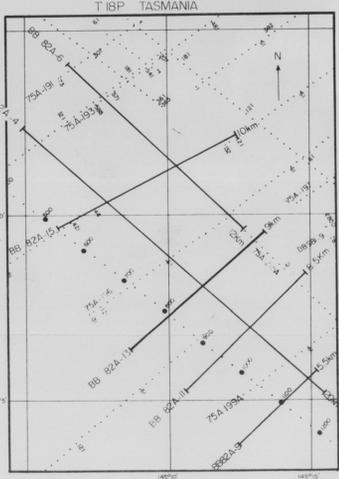
NORMAL MOVEOUT CORRECTION: START TR 2 AT 0 MSEC
 FIRST BREAK SUPPRESSION: START TR 3 AT 600 MSEC
 START TR 21 AT 1800 MSEC
 START TR 48 AT 3400 MSEC

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: CAPTED 2 GATES FILTER LENGTH 200MS - GAP 32MS
 START TIME 200MS

TIME VARIANT FILTERING: FREQUENCY (HZ) TIME (MSEC)

15	60	0
17	50	400
10	45	1500
10	40	2200
10	37	3000
10	37	4000

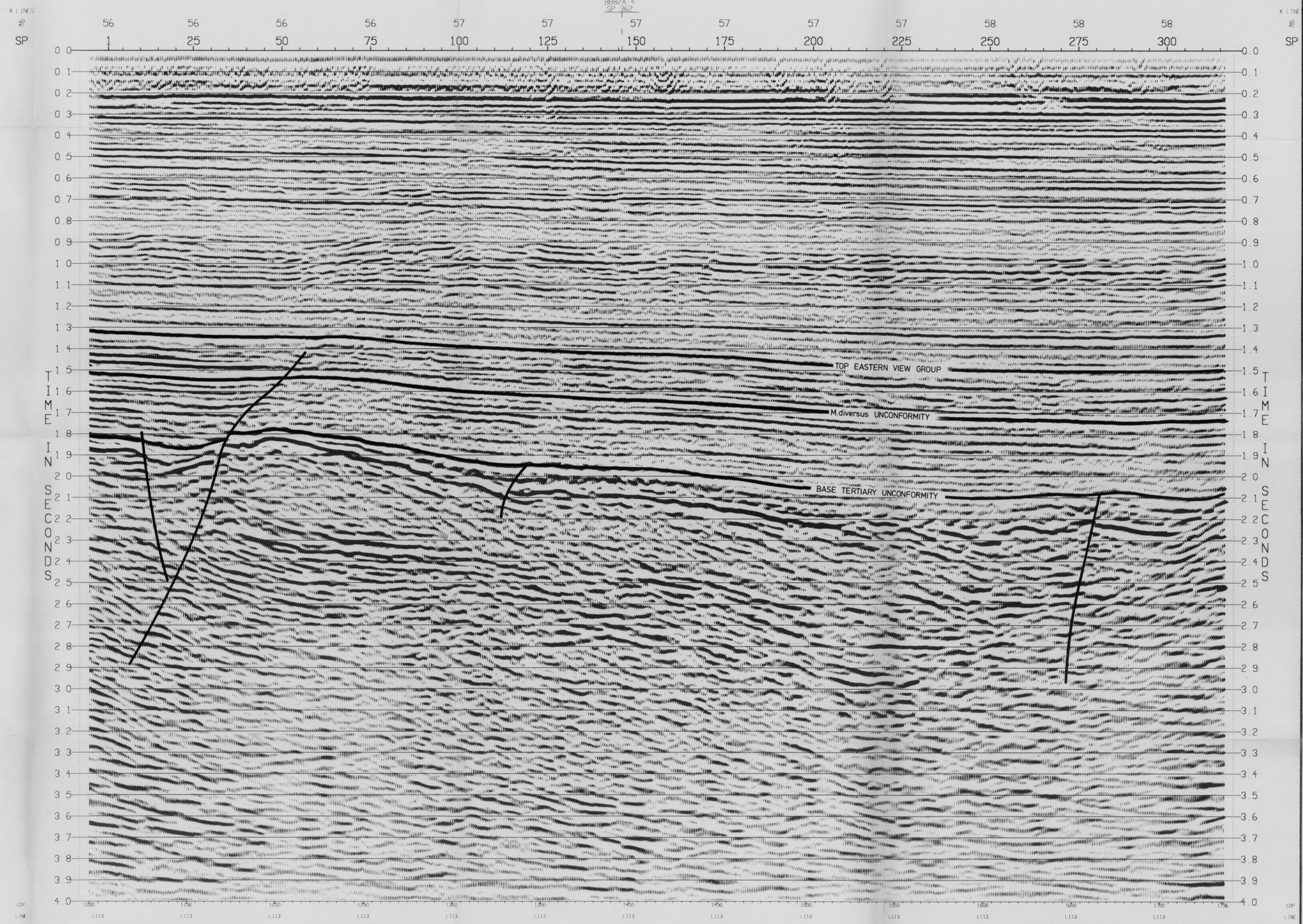
TIME VARIANT SCALING: USING 2000 MSEC GATES
 START TIME 200 MSEC



DISPLAY

HORIZONTAL SCALE: 74.0 TR/IN 60.006017 TR/KM
 VERTICAL SCALE: 4.0 IN/SEC
 POLARITY: NORMAL
 TRACE TYPE: BIAS UTWAV 10.0 PERCENT
 DATUM: SEA LEVEL
 DISPLAY UNIT: 0.677333 CM

DISPLAY GAIN: 5 cm



25 SEP 1982 00 44 40 PARTY 6860

PETROBRAS AUSTRALIA PTY LTD

BASS BASIN (BASS STRAIT OIL & GAS NL) 82/16

LINE BB82A 13

NE-SW OVER

BASE TERTIARY PROSPECT

599035

OR-0469 VOL II