

TASMANIA DEVELOPMENT AND RESOURCES

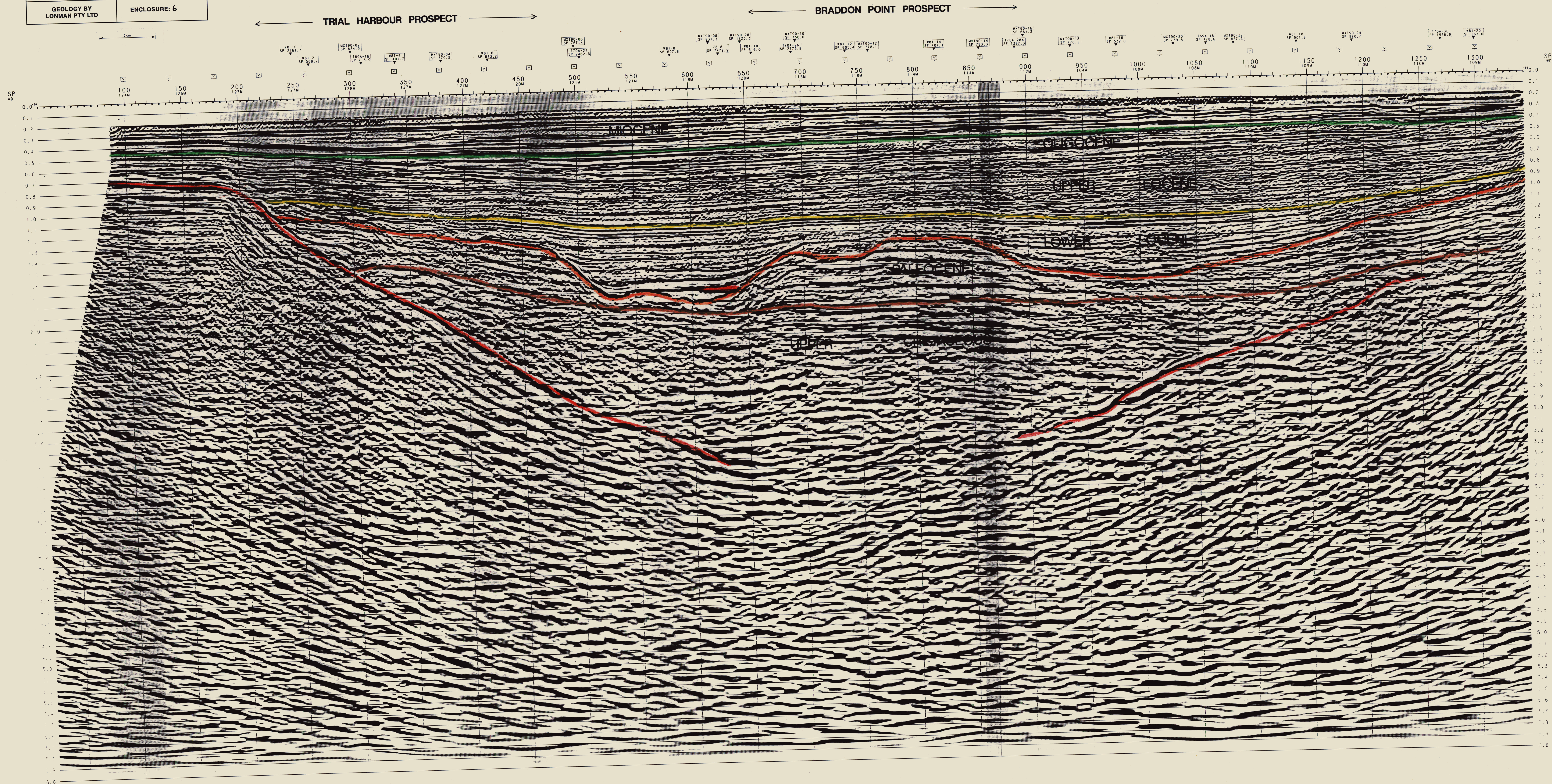
WEST COAST TASMANIA
HYDROCARBON PROSPECTIVITY REPORT

Strahan Sub-basin
Line MXT 90-05

GEOLOGY BY
LONMAN PTY LTD

ENCLOSURE: 6

DHI
IN CHANNEL



LINE: MXT90-05
SHOT PTS. 100 - 1346
1X7500Z TVF
RPF MIGRATION
POSITIVE POLARITY

NORTHWEST

MAXUS
ENERGY CORPORATION

AREA: OFFSHORE TASMANIA
PROSPECT: T/24P

DALLAS DIGITAL CENTER: JOB # 6574
PROCESSING DATE: DECEMBER, 1992
DATUM PLANE: SEA LEVEL
APPROVED BY: DM/HH

RECORDING INFORMATION:

RECORDED FOR: MAXUS ENERGY CORP
ACQUISITION BY: WALLINGTON/C/S
DATE: DECEMBER, 1990

SOURCE:
ENERGY SOURCE: AIRGUN ARRAY
DEPTH: 2400 CM IN
GUN VOLUME: 2000 PSI
GUN PRESSURE: 2000 PSI
GUN DEPTH: 200 M
SOURCE TO NAV POINT: NOT AVAILABLE

INSTRUMENTS:
SYSTEM: TITAN 1000
FILTER: 8 HZ - 1000 HZ
RECORDING INTERVAL: 4 SEC
RECORD LENGTH: 6 SEC
RECORD TYPE: 316 CHANNEL

CABLE:
TYPE OF CABLE: STREAMER
CABLE LENGTH: 1700 M
CABLE TYPE: 100 M
CABLE MATERIAL: 100 M
NO. GROUPS RECORDED: 100

WESTERN
GEOPHYSICAL

PROCESSING SEQUENCE:

1. SEG-D CONVERT
PROJECT NAME: MXT90-05
PROCESS DATE: 4 DEC
PROCESS RECORD LENGTH: 6.44 SEC
NO. OF TRACES PROCESSED: 300
2. PREPROCESSING
TRACE TO TRACE
GEOMETRIC CORRECTION
SPHERICAL SPREADING CORRECTION
3. VELOCITY ANALYSIS
VELOCITY: 1.5 KM/SEC
4. BEAM STEERING
1-2-1 SUM, MOVE 2
5. DECONVOLUTION
TYPE: SHOT/OFFSET CONSISTENT
PREDICTIVE DISTANCE: 4 KM
OPERATOR LENGTH: 240 M
NUMBER OF WINDOWS: 1 (SPATIAL VARIATION)
PREDICTIVE LENGTH: 0.0 SEC
6. VELOCITY ANALYSIS
VELOCITY: 1.5 KM/SEC
7. 3800Z OPTIMUM FOLD REDUCTION
TYPE: EQUAL WEIGHTED BINS
8. F-K DEMULTIPLE
TYPE: PASS POS AND ZERO DIPS
9. DIP MOVEOUT CORRECTION
COMMON OFFSETS TO 3800Z
VELOCITY: 1.5 KM/SEC
10. VELOCITY ANALYSIS
3800Z MOVEOUT AND STACK
PREDICTIVE DISTANCE: 4 KM
OPERATOR LENGTH: 240 M
NUMBER OF WINDOWS: 1 (SPATIAL VARIATION)
PREDICTIVE LENGTH: 0.0 SEC
11. 3800Z MOVEOUT AND STACK
PREDICTIVE DISTANCE: 4 KM
OPERATOR LENGTH: 240 M
NUMBER OF WINDOWS: 1 (SPATIAL VARIATION)
PREDICTIVE LENGTH: 0.0 SEC
12. DECONVOLUTION AFTER STACK
TYPE: SHOT/OFFSET CONSISTENT
PREDICTIVE DISTANCE: 4 KM
OPERATOR LENGTH: 240 M
NUMBER OF WINDOWS: 1 (SPATIAL VARIATION)
PREDICTIVE LENGTH: 0.0 SEC
13. RANDOM NOISE ATTENUATION
TYPE: 1-2-1 SUM, MOVE 2
14. STOLT MIGRATION
TYPE: 1-2-1 SUM, MOVE 2
15. RESIDUAL FD MIGRATION
TYPE: 1-2-1 SUM, MOVE 2
16. RADIAL PREDICTIVE FILTER
TYPE: 1-2-1 SUM, MOVE 2
17. TIME VARIANT FILTER
TYPE: 1-2-1 SUM, MOVE 2
18. GRIN
TYPE: 1-2-1 SUM, MOVE 2

LEGEND
INTERSECTIONS
WATER DEPTH
AIRGUN

DISPLAY:
HORIZONTAL SCALE: 1 CM = 250 M
VERTICAL SCALE: 1 CM = 100 M
PLOT TYPE: POSITIVE POLARITY

NOTATIONS:
FIELD POLARITY CONVENTION:
COMPRESSION FILTER IS 0 NEGATIVE NUMBER
DATA CORRECTED TO SEA LEVEL (-39 M TOTAL SHIFT)

HORIZONTAL SCALE: 1 CM = 250 M
80 TRACE INTERVALS = 1 KM

