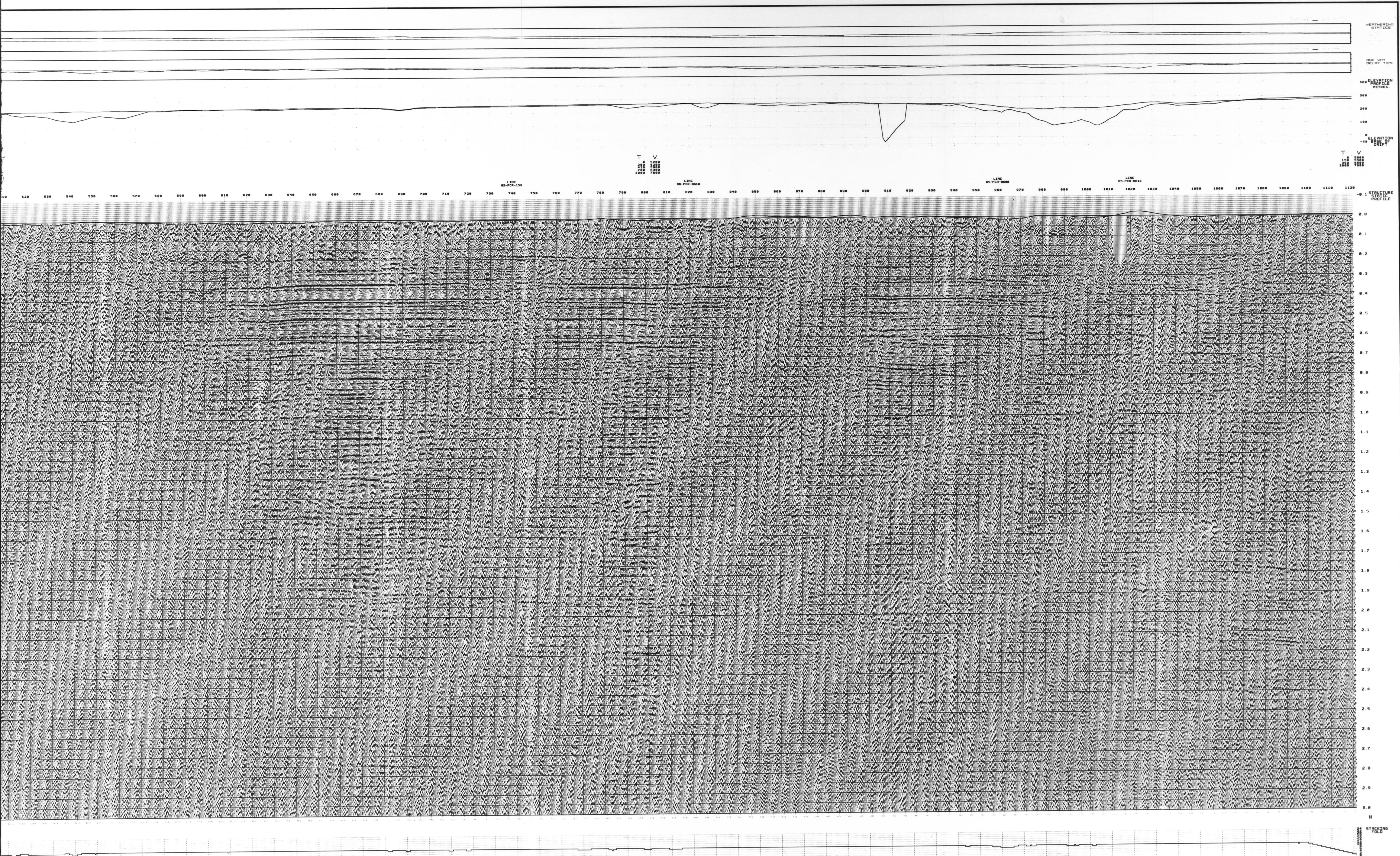






VERITAS

46950 R449-04
229-128-122

VERITAS SEISMIC LTD

FIELD POLARITY
STRUCTURE SECTION

LINE NO: 8617

AREA: TWEED LAKE N.W.T.
DIRECTION: NORTHEAST
DATUM: 305 m 6000 m/s

PROCESSED FOR:
PETRO-CANADA

DATE PROCESSED: MARCH 1986 DATE SHOT: MARCH 1986
SHOT BY: WESTERN GEOPHYSICAL CO.

FIELD PARAMETERS

SOURCE TYPE: VIBROSEIS LRS-300

GEOPHONE TYPE: LRS 1011 14 Hz

SOURCE INTERVAL: 80 m

GROUP INTERVAL: 20 m

SOURCE LAYOUT: 3 VIBS./40 m

GEOPHONE LAYOUT: 9 over 20 m

SWEEP SPECTRUM: 20 - 100 Hz

SWEEP LENGTH: 5 s

INSTRUMENTATION: 05 V

GAIN MODE: I. F. P.

FIELD FILTER: 8/120 Hz Match Out

COVERAGE: 1200 f

RECORD LENGTH: 5 s

SAMPLE INTERVAL: 2 ms

SPREAD TIME: 1 - 40 VP 40 - 55

DISTANCE: 1020 - 80 80 - 1020 m

DISPLAY PARAMETERS

TRACES/INCH: 24 INCHES/SECOND: 7.5

PROCESSING PARAMETERS

1 DEMULTIPLEX
Recorded Length: 3000 ms Sample Rate: 2 ms
Processed Length: 3000 ms Sample Rate: 2 ms

2 CORRELATION

3 AMPLITUDE RECOVERY - AGC (150 ms window)

4 GEOMETRY - STRAIGHT LINE

5 DEPHASING - GEOPHONE

6 DECONVOLUTION - ZERO PHASE FREQUENCY DOMAIN
Autocorrelation: 120 ms Prewhitening: 1.0 f
FILTER Distance: Design Gate: Appl. Gate
1 80 m 200 - 100 0 - 3000 ms
2 1020 m 400 - 1000 0 - 3000 ms

7 STRUCTURE STATICS - ELEVATION and DRIFT
DRIFT CONTROL PROVIDED BY 40 TR. DYNAMITE RE-
FRACTION RECORDS APPROX. EVERY 20 STN.
Datum: 305 m ASL
Replacement Velocity: 6000 m/s

8 TRACE GATHER

9 NORMAL MOVEOUT

10 STATICS - AUTOMATIC SURFACE CONSISTENT
Window: 200 - 1000 ms

11 FIRST BREAK MUTES
Distance: 200 1020 2040 m
Gate: 200 500 800 ms

12 STATICS - TRAIN
Correlation Window: 300 - 800 ms

13 STACK

14 FILTER - TIME VARIANT DIGITAL BANDPASS
FILTER 1 Pass Band: 20/25 - 100/110 Appl. Gate: 0 - 800 ms
FILTER 2 Pass Band: 20/25 - 70/80 Appl. Gate: 800 - 1500 ms
FILTER 3 Pass Band: 20/25 - 60/70 Appl. Gate: 1500 - 3000 ms

15 AMPLITUDE EQUALIZATION - AGC

