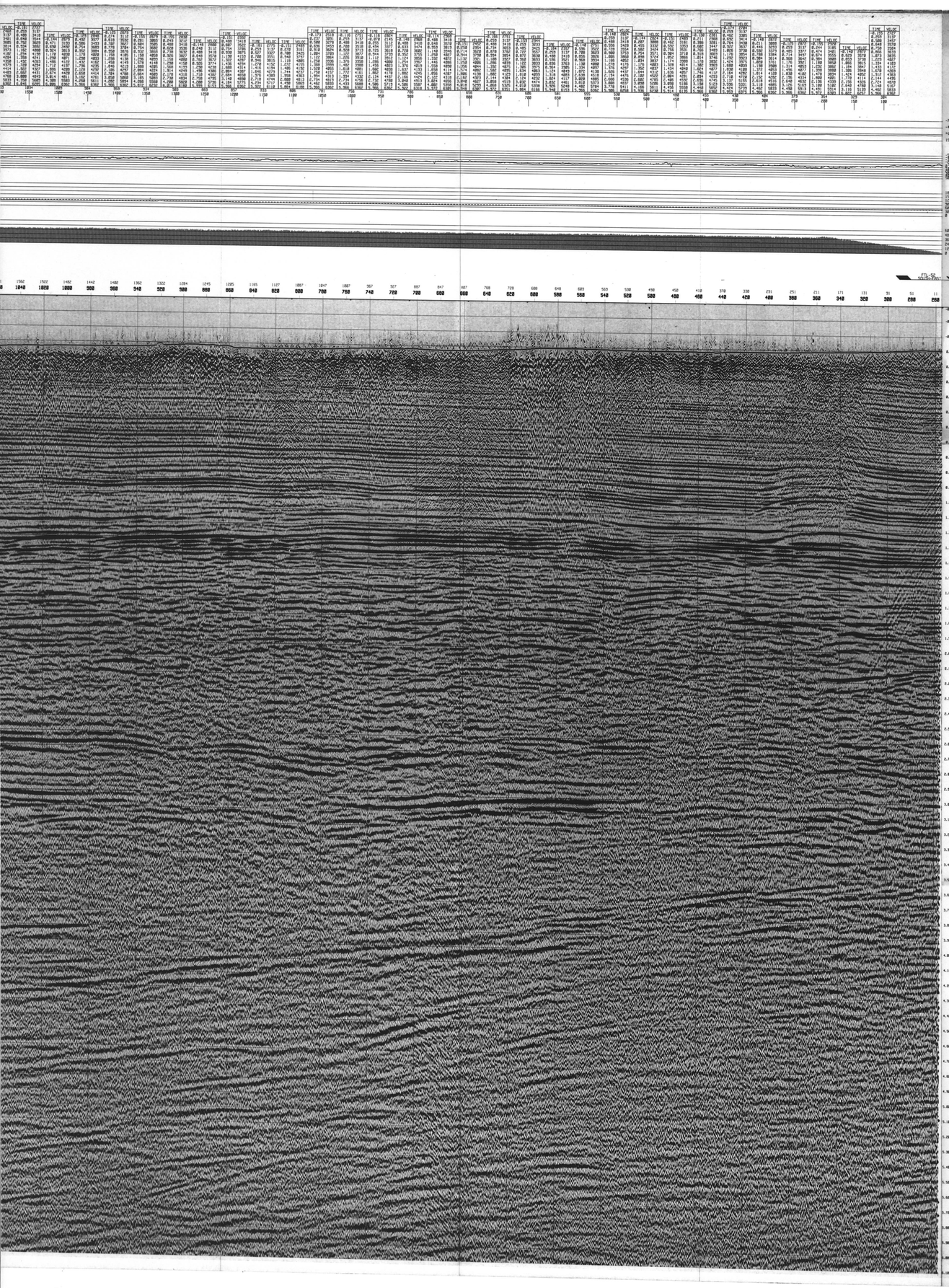

explor DATA LTD.

IN CONJUNCTION WITH:

Schlumberger

FORT LIARD
9229-K34-4P
LINE: FTL-52
SPS: 256 - 1579
STRUCTURE STACK

NORMAL POLARITY

STATICS PARAMETERS
DATUM: 500 M REPL VEL: 3700 M/S

FIELD PARAMETERS

SHOT FOR : EXPLOR DATA
SHOT BY : SCHLUMBERGER MARCH 2000

INSTRUMENTS
FRAME/MODEL: I/O SYSTEM II
S.R. : 2 MS
LENGTH : 8 SECONDS
FILTER : 3-1/2 NYQUIST HZ
NOTCH : OUT
FORMAT : SEG-D

GEOPHONES
TYPE : OYO DMCT
FREQUENCY : 10 HZ
DAMPING : 70 PCT
GROUP/NUMBER: 1 X 6
SPACING : 4.0 M
GROUP LENGTH: 20 M

SOURCE
TYPE : DYNAMITE
CHARGE : 0 X 0 KG
HOLE DEPTH: 18 M

SPREAD
FOLD : 480%
S.P. INT : 100 M
SHOT INT : 20 M
TRACES/SHOT : 481

CONFIGURATION
4810---10-+-10---3330 METERS
1----201-+-200----481 TRACE

PROCESSED IN MAY 2000 BY

KELMAN TECHNOLOGIES

PROCESSING SEQUENCE

DEMULTIPLEX:
DOUBLE RATE : 2 MS
PROCESS RECORD LENGTH : 8 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE : MIT(PUREX)X(EXP(MT)) M=1 M=2 M=2
TRACE EDITING:
COHERENT NOISE ATTENUATION:
METHOD : LINEARS
MODELLING AND ADAPTIVE SUBTRACTION
DECONVOLUTION:
TYPE : SURFACE CONSISTENT SPIKING
OPERATOR LENGTH : 80 MS
PREWHITENING : 1 %
DESIGN GATE : 1500 - 3000 MS AT 600 M OFFSET
: 2300 - 3000 MS AT 3000 M OFFSET
OFFSET RANGE: 600 - 3000 M
PARTIAL SPECTRAL BALANCING:
FREQUENCY : 0 - 60 HZ
EQUALIZATION:
DESIGN GATE : 600 - 3000 MS AT 600 M OFFSET
: 1700 - 3000 MS AT 3000 M OFFSET
STATICS: (REFRACTION)
METHOD : GENERALIZED LINEAR INVERSION
FREQUENCY SPACING : EVERY SHOT
DATUM ELEVATION : 500 M
WEATHERING VELOCITY : 750 M/SEC
REPLACEMENT VELOCITY : 3700 M/SEC
SORT:
TO EQUAL CDP INTERVAL
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL): 1ST PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 100 - 3000 MS
MAXIMUM SHIFT : +/- 32 MS
CORRELATIONS PER TRACE : 5
NUMBER OF ITERATIONS : 2
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT
NMO:
MUTE PATTERN:
: TIME AND SPACE VARIANT
STATICS (RESIDUAL): 2ND PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 100 - 3000 MS
MAXIMUM SHIFT : +/- 24 MS
CORRELATIONS PER TRACE : 5
NUMBER OF ITERATIONS : 2
STACK:
SPIKE SUPPRESSION : 3:1 THRESHOLD
FOLD : 480%
FILTER:
TYPE: : ZEROPHASE TIME VARIANT
FREQUENCY: : 8/10-65/75 HZ 0 TO 1000MS
: 5/10-50/60 HZ 1500 TO 3000MS
: 3/7-40/50 HZ 3000 TO 5000MS
EQUALIZATION:
DESIGN WINDOW : 500 MS AGC
OUTPUT STACKED DATA:
FORMAT : SEGY
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 50.8 TPI VERTICAL: 5 IPS
SCALE : 1: 20000

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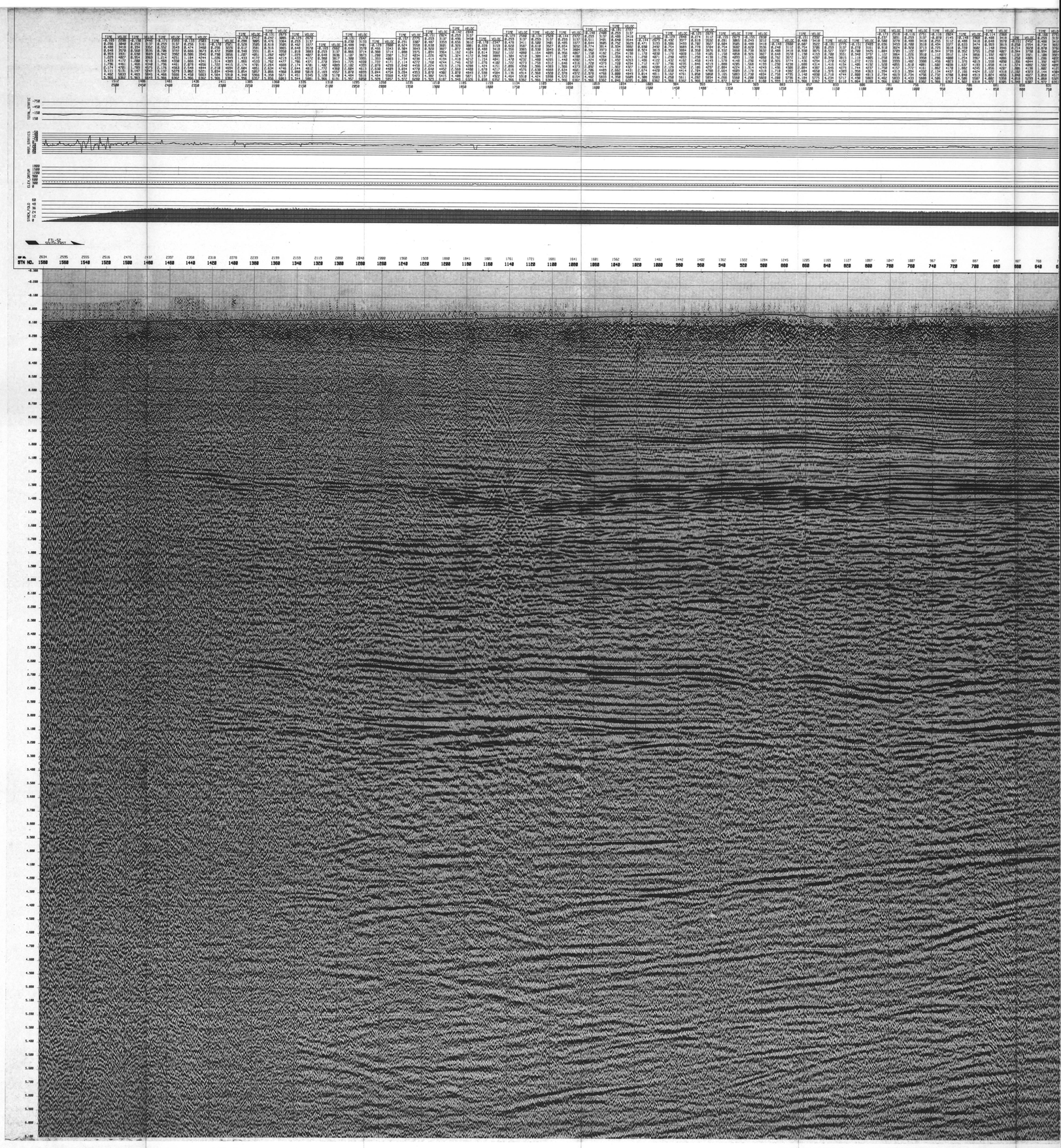
PART NO. 1 OF 2 R.R. 10X

LINE NO. FTL-52 9229-K34-4P

TRIATHLON PROJ. NO. 9229-E34-SP LINE NO. FTL-52 PART NO. 2 OF 2 R.R. 10X