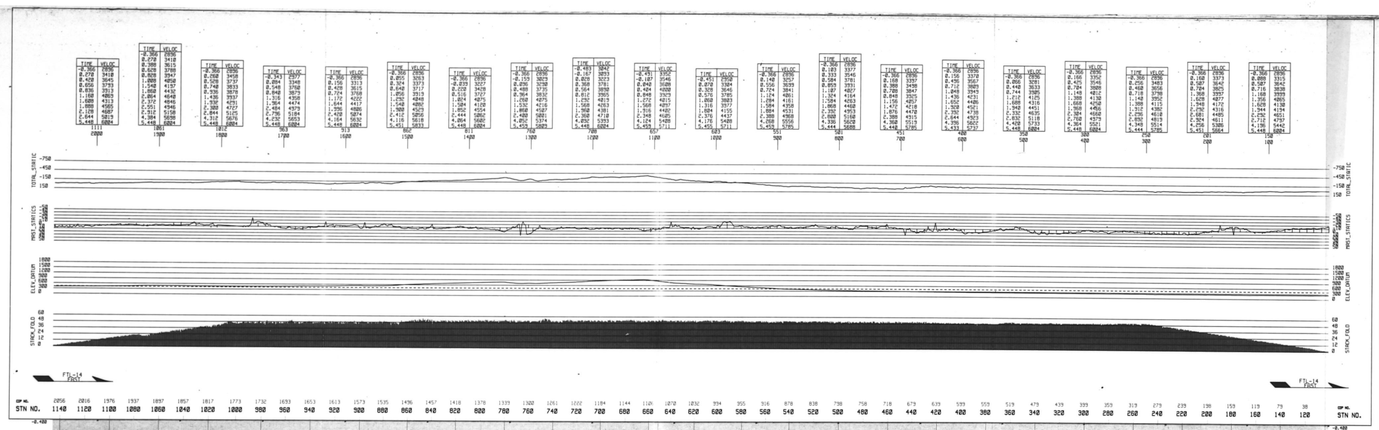

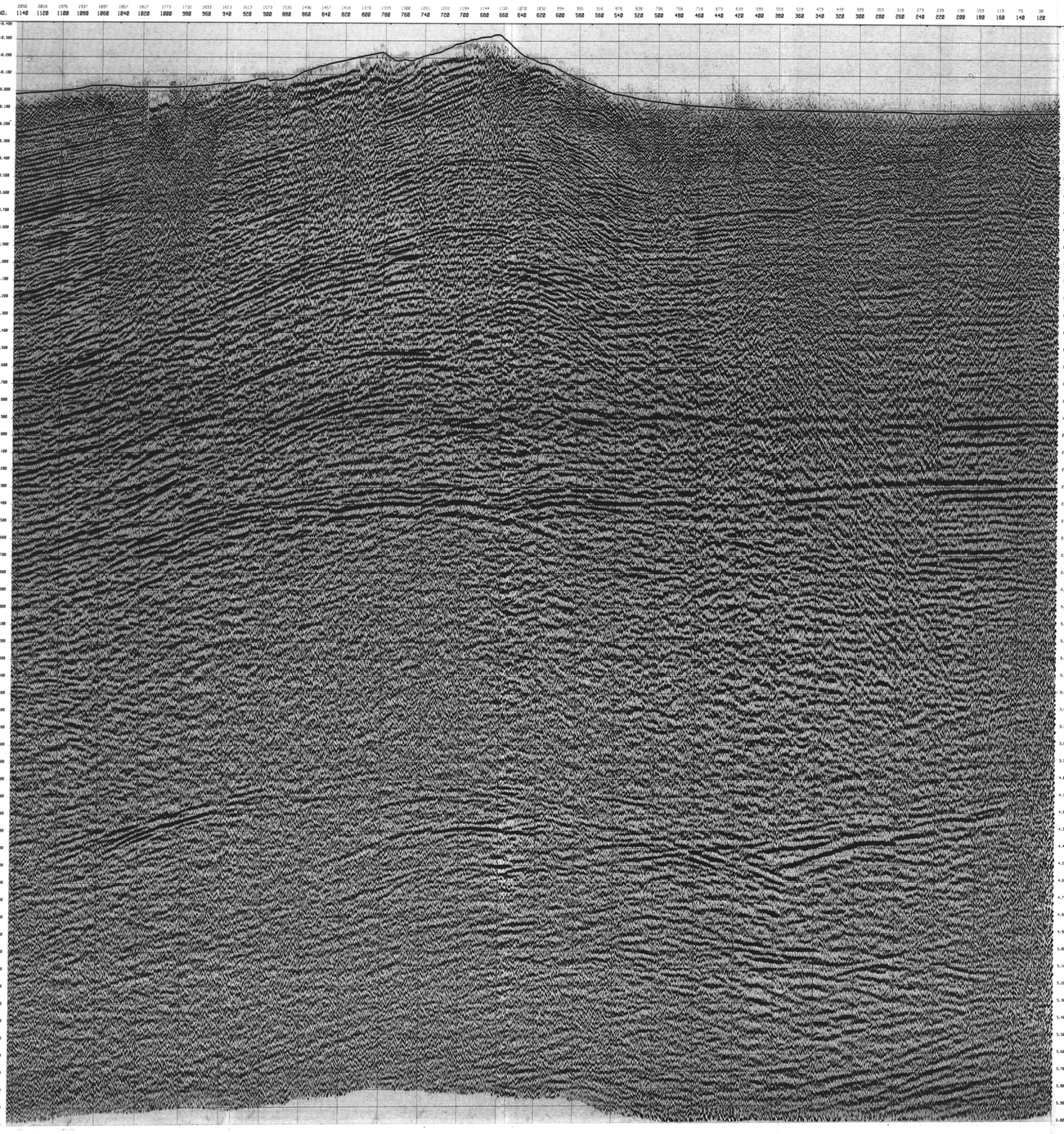

explor DATA LTD.

IN CONJUNCTION WITH:

Schlumberger

FORT LIARD

LINE: FTL-14

SPS: 101 - 1145

STRUCTURE STACK

9229-E34-6P

NORMAL POLARITY

STATICS PARAMETERS

DATUM: 427 M REPL VEL: 3048 M/S

FIELD PARAMETERS

SHOT FOR : EXPLOR DATA
SHOT BY : SCHLUMBERGER JULY 2000

INSTRUMENTS

DRV/MODEL:	I/O SYSTEM II		
S.R.	: 2 MS		
LENGTH	: 6 SECONDS		
FILTER	: OUT-1/2 NYQUIST		
METCH	: OUT		
FORMAT	: SEG-D		

GEOPHONES

TYPE	: CYO 30 CT
FREQUENCY	: 10 HZ
DAMPING	: 70 PCT
GROUP/NUMBER:	1 X 6
SPACING	: 1.667 M
GROUP LENGTH:	15 M

SOURCE

TYPE	: DYNAMITE	FOLD	SPREAD
CHARGE	: 1X28 2X18 3X6 KG	O.F. INT	: 500X
HOLE DEPTH:	1X28 2X18 3X8 M	GRP. INT	: 30 M
		GRP. INT	: 15 M
		TRACES/SHOT	: 600

CONFIGURATION

4432.5<---7.5-><-7.5--->4432.5 METERS
1<-------300><-301------>600 TRACE

PROCESSED IN JUNE 2000 BY

KEILMAN TECHNOLOGIES

PROCESSING SEQUENCE

DEMULTIPLEX:
SAMPLE RATE : 2 MS
PROCESS RECORD LENGTH : 6 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE : M(T)PUR(X)EXP(R*T)) X=1 R=0 N=2

TRACE EDITING:

COHERENT NOISE ATTENUATION:
METHOD : LINMO
MODELLING AND ADAPTIVE SUBTRACTION

DECONVOLUTION:
TYPE : SURFACE CONSISTENT SPIKING
OPERATOR LENGTH : 96 MS
PREDICTIONAL : 8 MS
DESIGN GATE : 1800 - 3600 MS AT 1800 M OFFSET
: 1400 - 3600 MS AT 3000 M OFFSET
: 0100 - 4800 MS AT 4500 M OFFSET
OFFSET RANGE: : 1800 - 4500 M

PARTIAL SPECTRAL BALANCING:
FREQUENCY : 8 - 80 HZ

EQUALIZATION:
DESIGN GATE : 1800 - 3600 MS AT 1800 M OFFSET
: 3000 - 3600 MS AT 3000 M OFFSET
: 4500 - 4800 MS AT 4500 M OFFSET

STATICS: (REFRACTION)
METHOD : GENERALIZED LINEAR INVERSION
FREQUENCY SPACING : EVERY SHOT
DATUM ELEVATION : 427 M
REPLACEMENT VELOCITY : 3048 M/SEC
REPLACEMENT VELOCITY : 3048 M/SEC

SORT:
TO COMM. CDP INTERVAL

VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE REVEIUT

STATICS (RESIDUAL): 1ST PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 200 - 3300 MS
MAXIMUM SHIFT : +/- 32 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 2

VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE REVEIUT

NMO:

MUTE PATTERN: : TIME AND SPACE VARIANT

STATICS (RESIDUAL): 2ND PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 200 - 3300 MS
MAXIMUM SHIFT : +/- 24 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 2

STACK:
SPIKE SUPRESSION : 3:1 THRESHOLD
FOLD : 30X6L

FILTER:
TYPE: : ZERO-PHASE TIME VARIANT
FREQUENCY: : 8/10-65/75 HZ : 0 TO 1800MS
: 5/10-50-60 HZ : 1800 TO 3000MS
: 5/7-45-50 HZ : 3000 TO 6000MS

EQUALIZATION:
DESIGN WINDOW : 500 MS AGC

OUTPUT STACKED DATA:
FORMAT : SEGY

FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS

HORIZONTAL: 87.733 TPI VERTICAL: 5.0 IPS
SCALE 1: II 00000

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