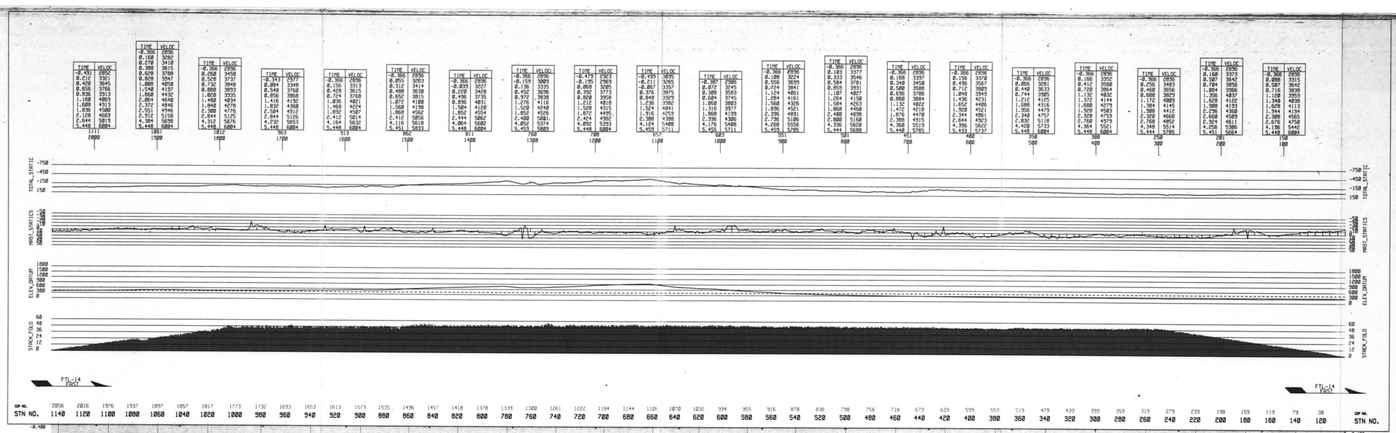

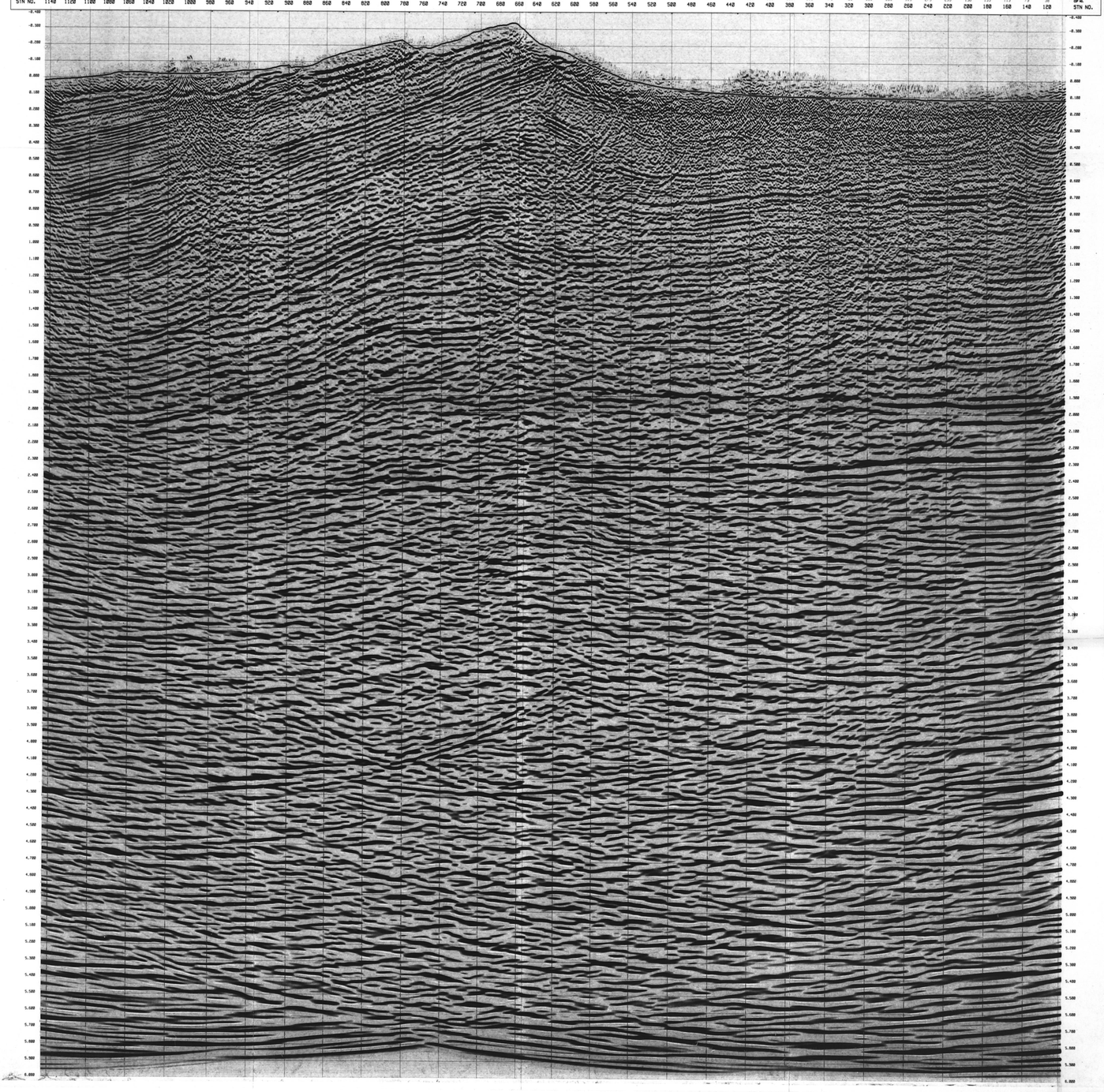

explor DATA LTD.

IN CONJUNCTION WITH:

Schlumberger

FORT LIARD

LINE: FTL-14

SPS: 101 - 1145

PRE STACK MIGRATION

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		GEOPHONES	
MANF/MODEL:	I/O SYSTEM II	TYPE	: OYO GS CT
S.R.	: 2 MS	FREQUENCY	: 10 HZ
LENGTH	: 6 SECONDS	DAMPING	: 70 PCT
FILTER	: OUT-1/2 NYQUIST	GROUP/NUMBER:	1 X 6
MODE	: DYN	SPRING	: 1.667 M
FORMAT	: SEG-D	GROUP LENGTH:	15 M

SOURCE		SPREAD	
TYPE	: DYNAMITE	FOLD	: 50NNN
CHARGE	: 1X20 EXLB 3X6 KG	S.P. INT	: 30 M
HOLE DEPTH:	1X20 EXLB 3X8 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

KELMAN TECHNOLOGIES
SEISMIC PROCESSING SOLUTIONS

PROCESSING SEQUENCE

DEMULTIPLEX:
SAMPLE RATE : 2 MS
PROCESS RECORD LENGTH : 6 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE : MIT(PUR)X(EXP(ATT)) X=1 R=0 N=2
TRACE EDITING:
COHERENT NOISE ATTENUATION:
METHOD : LINEARS
MODELING AND ADAPTIVE SUBTRACTION
DECONVOLUTION:
METHOD : SURFACE CONSISTENT SPIKING
OPERATOR LENGTH : 80 MS
PREWHITENING : 0 %
DESIGN GATE : 1800 - 3600 MS AT 1800 M OFFSET
: 1400 - 3600 MS AT 3600 M OFFSET
: 1400 - 3600 MS AT 4500 M OFFSET
OFFSET RANGE: : 1800 - 4500 M
PARTIAL SPECTRAL BALANCING:
FREQUENCY : 0 - 80 HZ
EQUALIZATION:
DESIGN GATE : 1800 - 3600 MS AT 1800 M OFFSET
: 3600 - 3800 MS AT 3600 M OFFSET
: 3600 - 3800 MS AT 4500 M OFFSET
STATICS: (REFRACTION)
METHOD : GENERALIZED LINEAR INVERSION
FREQUENCY SPECING : EVERY SHOT
DATUM ELEVATION : 427 M
WEATHERING VELOCITY : 762 M/SEC
REPLACEMENT VELOCITY : 3048 M/SEC
SORT:
TO EQUAL CDP INTERVAL
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL): 1ST PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 1400 - 2000 MS
MAXIMUM SHIFT : +/- 32 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 2
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT
MUTE:
MUTE PATTERN: : TIME AND SPACE VARIANT
STATICS (RESIDUAL): 2ND PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 1400 - 2000 MS
MAXIMUM SHIFT : +/- 16 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 2
2-D PRE-STACK MIGRATION
VELOCITY ANALYSIS:
RN TO 112 PCT VELS BY 2 PCT
FULL PRE-STACK MIGRATION:
TYPE : KIRCHOFF SUMMATION
TIMES REFERENCED, TO PLOTTED WEATHERING REPLACED SURFACE, DEPENDENTS BY SHOT AND RECEIVER
FILTER:
TYPE : ZERO-PHASE TIME VARIANT
FREQUENCY: 8/16-85/95 HZ : 0 TO 1400MS
5/10-50/60 HZ 1500 TO 3000MS
3/7-40/50 HZ 3000 TO 6000MS
EQUALIZATION:
DESIGN WINDOW : 500 MS AGC
OUTPUT STACKED DATA:
FORMAT : SEGY
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS

HORIZONTAL: 67.733 TPI VERTICAL: 5.0 IPS
SCALE : 1: 20000

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