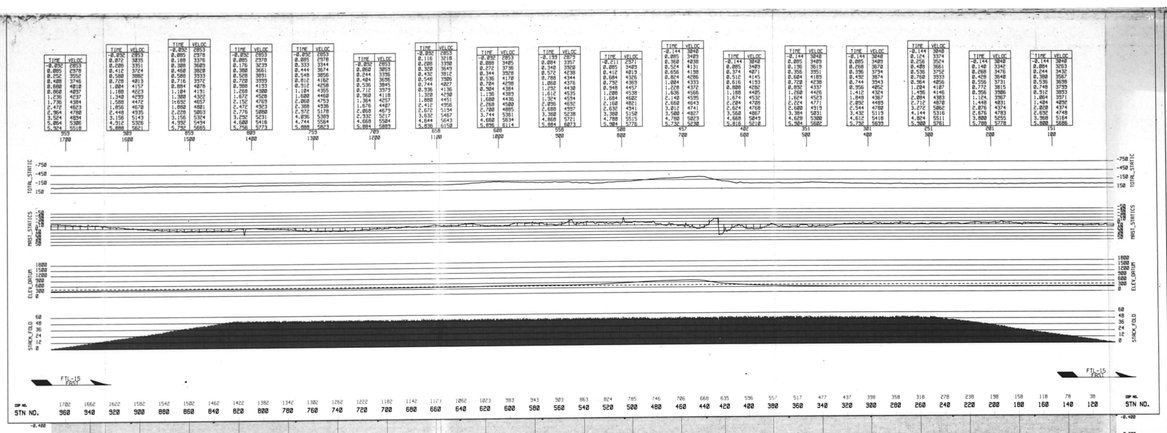

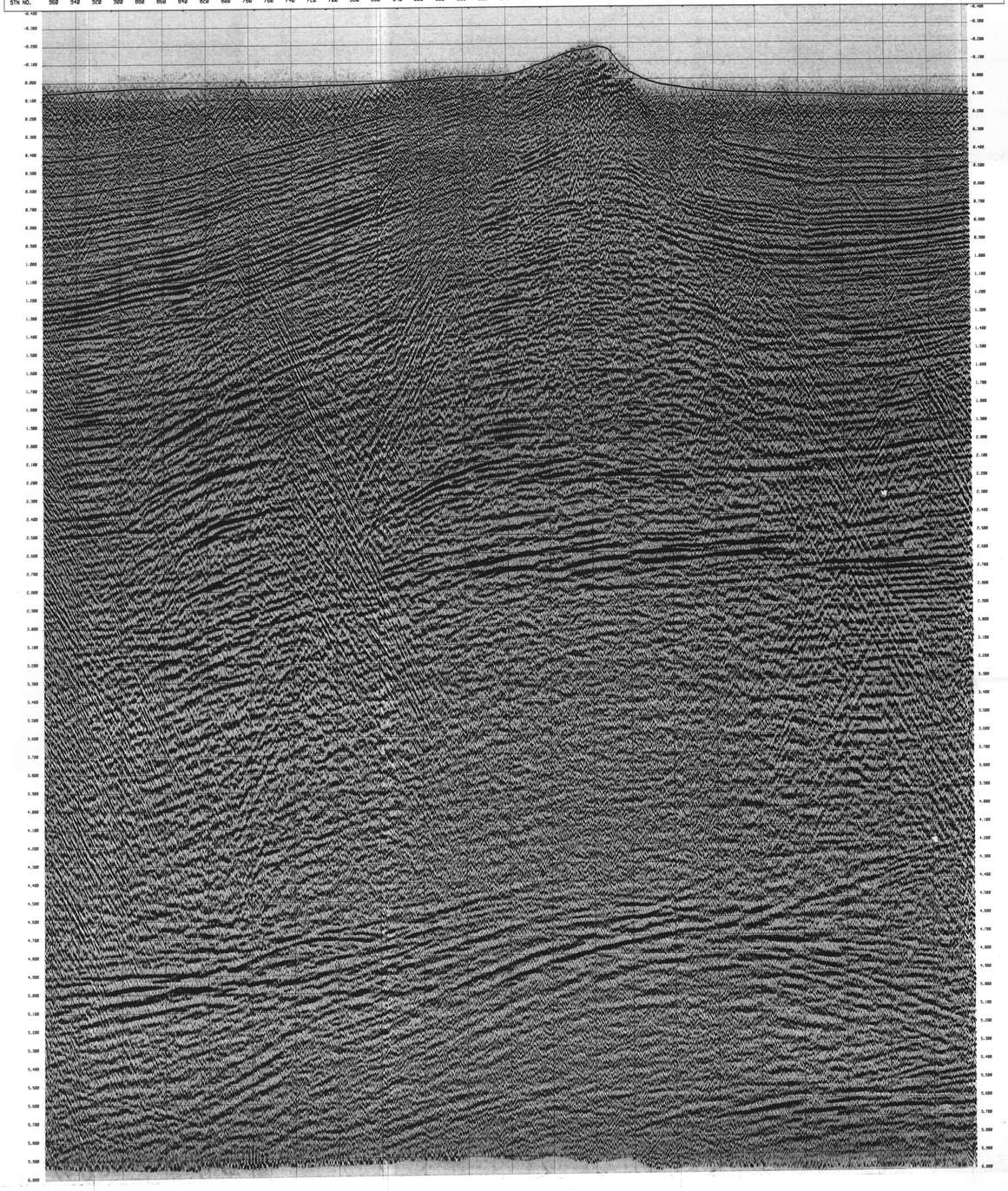

explor DATA LTD.

IN CONJUNCTION WITH:

Schlumberger

FORT LIARD

LINE: FTL-15

SPS: 101 - 971

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		GEOPHONES	
TYPE/MODEL:	I/O SYSTEM II	TYPE	: CFG 30 CT
TAPE	: SD	FREQUENCY	: 10 HZ
LENGTH	: 6 SECONDS	DRIFTING	: 2% PCT
FILTER	: OUT-1/2 NYQUIST	GROUP/NUMBER:	1 X 6
NOTCH	: OUT	SPACING	: 1.067 M
FORMAT	: SEG-D	GROUP LENGTH:	15 M

SOURCE			
TYPE	: DYNAMITE	FOLD	: 12000%
CHARGE	: 1X20 2X10 3X5 KG	S.I. INT	: 30 M
HOLE DEPTH:	1X20 2X10 3X5 M	SHP. INT	: 15 M
		PHONES/SHOT	: 600

CONFIGURATION
4492.5---7.5-*-7.5---4492.5 METERS
1--------300-*-301-------600 TRACE

PROCESSED IN JUNE 2000 BY

KELMAN TECHNOLOGIES

PROCESSING SEQUENCE

DEMULTIPLEX:
DATA RATE : 2 MS
PROCESS RECORD LENGTH : 9 SEC
AMPLITUDE RECOVERY:
EXPONential GAIN CURVE : MITSPUR(X)EXP(AT1) X=1 A=0 W=2
TRACE EDITING:
COHERENT NOISE ATTENUATION:
METHOD : LINEARS
MODELLING AND ADAPTIVE SUBTRACTION
DECONVOLUTION:
TYPE : SURFACE CONSISTENT SPIKING
OPERATOR LENGTH : 88 MS
PREWHITENING : 1.0
DESIGN GATE : 3000 - 3000 MS AT 1000 M OFFSET
3000 - 3000 MS AT 4000 M OFFSET
4500 - 4000 MS AT 4500 M OFFSET
OFFSET RANGE: : 1000 - 4500 M
PARTIAL SPECTRAL BALANCING:
FREQUENCY : 8 - 60 HZ
EQUALIZATION:
DESIGN GATE : 1000 - 3000 MS AT 1000 M OFFSET
1400 - 3000 MS AT 3000 M OFFSET
2100 - 4000 MS AT 4500 M OFFSET
STATICS: (REFRACTION)
METHOD : GENERALIZED LINEAR INVERSION
FREQUENCY SPACING : EVERY SHOT
DATUM ELEVATION : 427 M
REPLACEMENT VELOCITY : 750 M/SEC
REPLACEMENT VELOCITY : 3048 M/SEC
SORT:
TO EQUAL CDP INTERVAL
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL): 1ST PASS
TYPE : AUTOSTATIC SURFACE CONSISTENT
CORRELATION WINDOW : 200 - 3300 MS
MAXIMUM SHIFT : +/- 32 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 6
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT
MUTE:
MUTE PATTERN: : TIME AND SPACE VARIANT
STATICS (RESIDUAL): 2ND PASS
TYPE : AUTOSTATIC SURFACE CONSISTENT
CORRELATION WINDOW : 200 - 3300 MS
MAXIMUM SHIFT : +/- 24 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 6
STACK:
TRACE SUPRESSION : 3:1 THRESHOLD
FOLD : 3000%
FILTER:
TYPE: : ZERO-PHASE TIME VARIANT
FREQUENCY: : 8/16-60/75 HZ 0 TO 1800MS
5/10-50/60 HZ 1500 TO 3000MS
3/7-40/50 HZ 3000-TO 6000MS
EQUALIZATION:
DESIGN WINDOW : 500 MS ROC
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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