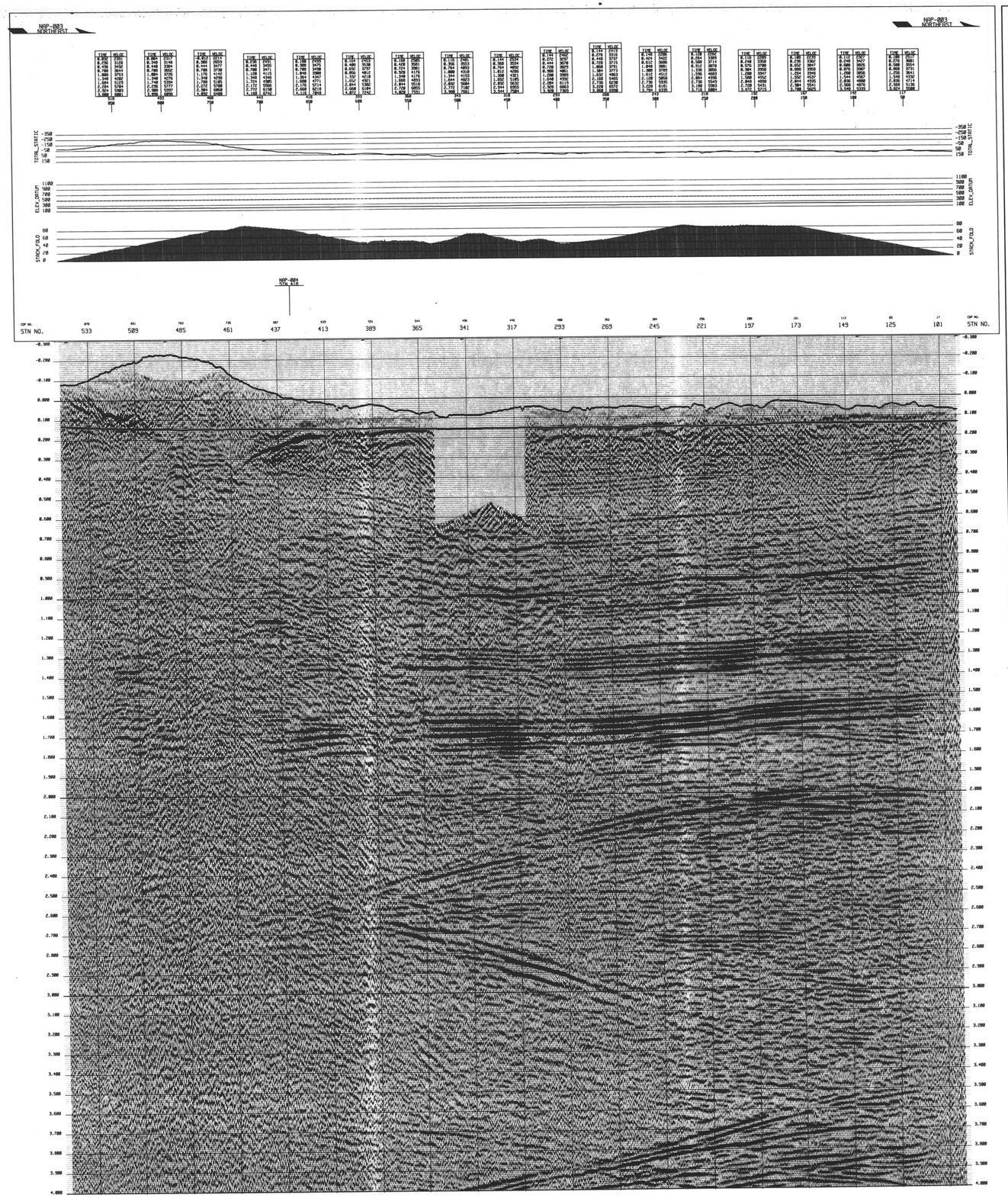

9229-B59-5E

RANGER OIL LTD.

9229-B59-1E

FT. LIARD

LINE NAP-003
SPS: 93 - 547

STRUCTURE STACK

DISPLAY POLARITY
NORMAL

STATICS PARAMETERS
DATUM: 500 M REPL VEL: 4000 M/S

FIELD PARAMETERS

SHOT FOR: RANGER OIL LTD. : APRIL 1997
SHOT BY: GEOD-PRAWLA : PART#-1254

INSTRUMENTS
MAKE/MODEL: I/O II
S.R.: 2 MS LENGTH: 5 SEC
FILTER: 3-135 NOTCH OUT
FORMAT: SEG-D

GEOPHONES
TYPE: OYO GS30DX, 10 HZ
DAMPING: 0.7
NUMBER/GROUP: 9
GROUP LGTH: 20 M

SOURCE
TYPE : VIBROSEIS
MODEL : 4 X 4
SWEEP : 10-100 HZ
LENGTH : 12 SEC

SPREAD
FOLD : 0000 PCT
S.P. INT : 40 M
GRP. INT : 20 M

SPREAD CONFIGURATION
TRACES: 1----------323 TRACE 1 NORTHERST
3220.0----------3220.0 M

PROCESSED JULY 1997 BY

KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 5.0 SEC
AMPLITUDE RECOVERY
EXPONENTIAL GAIN CURVE: A(T)=A(0)EXP(AT)) X=1 A=0 M=2
TRACE EDITING
PHASE COMPENSATION
TYPE: GEOPHONE
VIBROSEIS PHASE COMPENSATION:
METHOD: CLINDER WAVELET TO MINIMUM PHASE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 88 MS
PREWHITENING: 1.0%
DESIGN GATE: 800 - 2200 MS NT 2001 OFFSET
1200 - 2200 MS NT 3000M OFFSET
OFFSET RANGE: 0000 - 3000 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 10 - 100 HZ
EQUALIZATION
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: ELI
DATUM SPACING: SHORT SHOT
DATUM ELEVATION: 500 M
WEATHERING VELOCITY: 750 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT
TO COMMON DEPTH POINT
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL)
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 3000 MS
MAXIMUM SHIFT: +/- 30 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL)-SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 3000 MS
MAXIMUM SHIFT: +/- 16 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
NORMAL MOVEOUT CORRECTION:
DATUM REFERENCED, TO PLOTTED WEATHERING REPLACED SURFACE, SEPARATELY BY SHOT AND RECEIVER
MUTE PATTERN
DISTANCE: +48 648 3028 M
TIME: -300 500 600 MS
STACK
SPIKE SUPRESSION: 3:1 THRESHOLD
FOLD: 08
FILTER
FREQUENCY: 18/15 - +5/55 HZ
EQUALIZATION
DESIGN WINDOW: 600 MS AGC
FINAL DISPLAY

1KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 48 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 M/INCH 400 M/INCH

TRIATHLON

PROJ. NO. 9229 B59 5E

LINE NO. NAP-3

PART NO. 1 OF 1

H.R. 8X