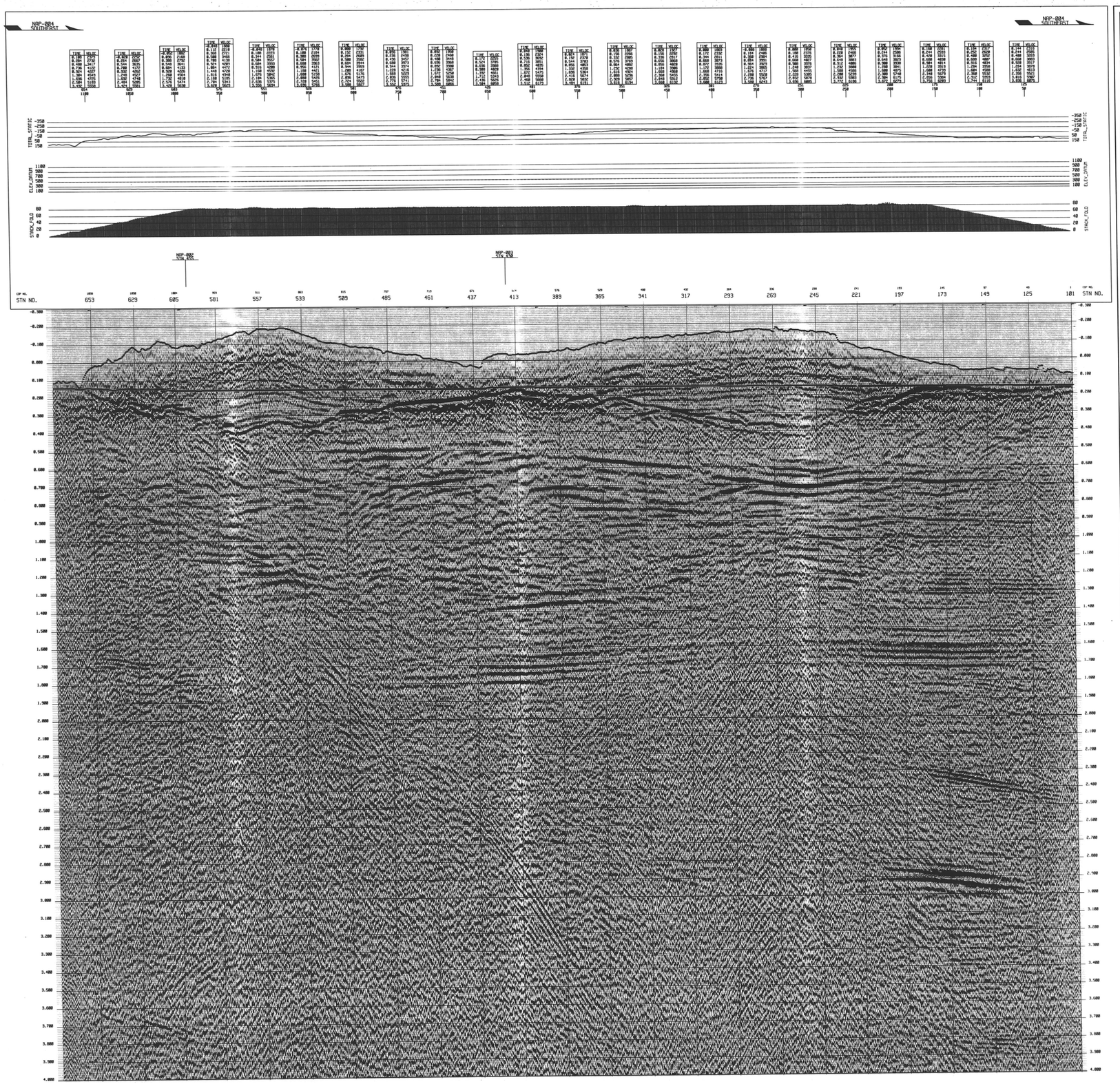

RANGER OIL LTD.

9229-B59-5E
FT. LIARD

LINE NAP-004
SPS: 101 - 674

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-PARMLA , PARTY-1264

INSTRUMENTS
MAKE/MODEL: I/O II
SAMPLE: 2 MS LENGTH: 5 SEC
FILTER: 3-125 NOTCH OUT
FORMAT: SEG-D

GEOPHONES
TYPE: OYO GSO30X, 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 : 8000 PCT
S.P. INT : 40 M
GRP. INT : 20 M

SPREAD CONFIGURATION
TRACES: 1----------323 TRACE 1 SOUTHERST
3008.0----------3008.0 M

PROCESSED JULY 1997 BY

KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 5.0 SEC
APPLITUDE RECOVERY
EXPONENTIAL GAIN CURVE: MITSPURE(X(EXP(RT)) R=1 A=0 W=2
TRACE EDITING
PHASE COMPENSATION
TYPE: GEOPHONE
VIBROSEIS PHASE COMPENSATION:
METHOD: CLAUDER WAVELET TO MINIMUM PHASE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 128 MS
PREDICTION: 1.MS
DESIGN GATE: 600 - 2300 MS RT .00M OFFSET
1400 - 2300 MS RT 3000M OFFSET
OFFSET RANGE: 600 - 1000 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 10 - 100 HZ
EQUALIZATION
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: GLI
FREQUENCY SPACING: EVERY SHOT
GROUP ELEVATION: 500 M
REFRACTOR VELOCITY: 2000 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT
TO COMMON DEPTH POINT
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL)
TYPE: AUTOSTATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 3000 MS
MAXIMUM SHIFT: +/- 50 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL)-SECOND PASS
TYPE: AUTOSTATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 3000 MS
MAXIMUM SHIFT: +/- 16 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
NORMAL MOVEOUT CORRECTION:
SUPERIMPOSE ON: TO PLOTTED WATERMARKING REPLACED SURFACE.
SEPARATELY ON: SHOT AND RECEIVER
MUTE PATTERN
TYPE: 440 640 3220 M
TIME: -300 500 000 MS
STACK
TYPE: 3:1 THRESHOLD
FOLD: 80
FILTER
FREQUENCY: 18/15 - 45/55 HZ
EQUALIZATION
DESIGN WINDOW: 600 MS AGC
FINAL DISPLAY

1KM BLIP INCREMENTENT

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-4

PART NO. 1 OF 1

R.R. 8X