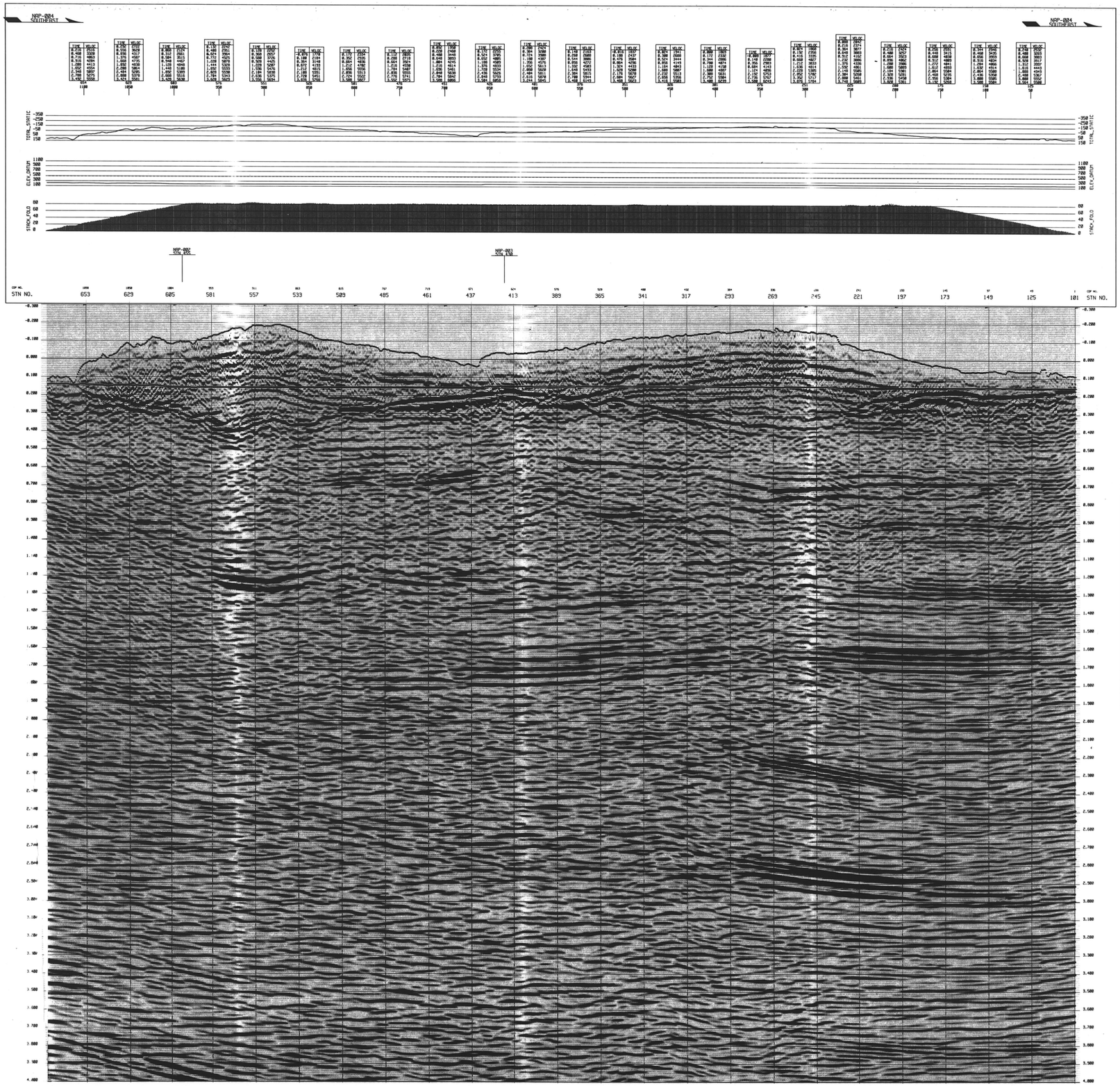

RANGER OIL LTD.

9229-B59-5E

FT. LIARD

LINE NAP-004
SPS: 101 - 674

PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS

SHOT FOR: RANGER OIL LTD. , APRIL 1997
SHOT BY: GEO-PARVLA , PORTA-125M

INSTRUMENTS
RAW/MODEL: I/O II
FILTER: 18-135 NOTCH OUT
FORMAT: SEG-D

GEOPHONES
TYPE: GTO GS30CX, 10 HZ
DAMPING: 0.7
NUMBER/GROUP: 9
GROUP LENTH: 20 M

SOURCE
TYPE : VIBROSEIS
MODEL : 4 x 4
SWEEP : 10-108 HZ
LENGTH : 12 SEC

SPREAD
FOLD : 5000 PCT
S.P. INT : 40 M
GRP. INT : 20 M

SPREAD CONFIGURATION
TRACES: 1————————323 TRACE 1 SOUTHERST
3220.0————————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: AGTIMPUNX(EXP(RT)) X=1 A=0 B=2
TRACE EDITING
PHASE COMPENSATION
TYPE: GEOPHONE
VIBROSEIS PHASE COMPENSATION:
METHOD: CLUNDER WAVELET TO MINIMUM PHASE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 96 MS
PREWHITENING: 0.1
DESIGN GATE: 600 - 2300 MS AT 2001 OFFSET
1400 - 2300 MS AT 3220M OFFSET
OFFSET RANGE: 600 - 1600 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 10 - 100 HZ
EQUALIZATION
DESIGN GATE: SPRE WINDOW AS DECON
STATICS (REFRACTION)
METHOD: GLI
FREQUENCY SPECING: EVERY 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 REMEDIT
STATICS (RESIDUAL)
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 3000 MS
MAXIMUM SHIFT: +/- 32 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE REMEDIT
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
PRE-STK MIG. VEL. ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMEDIT
MUTE PATTERN
DISTANCE: 440 640 3020 M
TIME: -300 500 800 MS
FULL PRE-STACK MIGRATION:
TYPE: KIRCHOFF SUMMATION
DATUM REFERENCED: TO PLOTTED WEATHERING REPLACED SURFACE.
SEPARATELY AT SHOT AND RECEIVER
STACK
SPIKE SUPRESSION: 3:1 THRESHOLD
FOLD: 80
FILTER
FREQUENCY: 18/15 - 45/55 HZ
EQUALIZATION
DESIGN WINDOW: 600 MS AGC
FINAL DISPLAY

1KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 48 TRACES/INCH VERTICAL: 5 INCHES/SECOND
4000 M/INCH 4000 M/INCH

TRIATHLON

PROJ. NO. 9229 B59 5E

LINE NO. NAP-4

PART NO. 1 OF 1

R.R. 8X