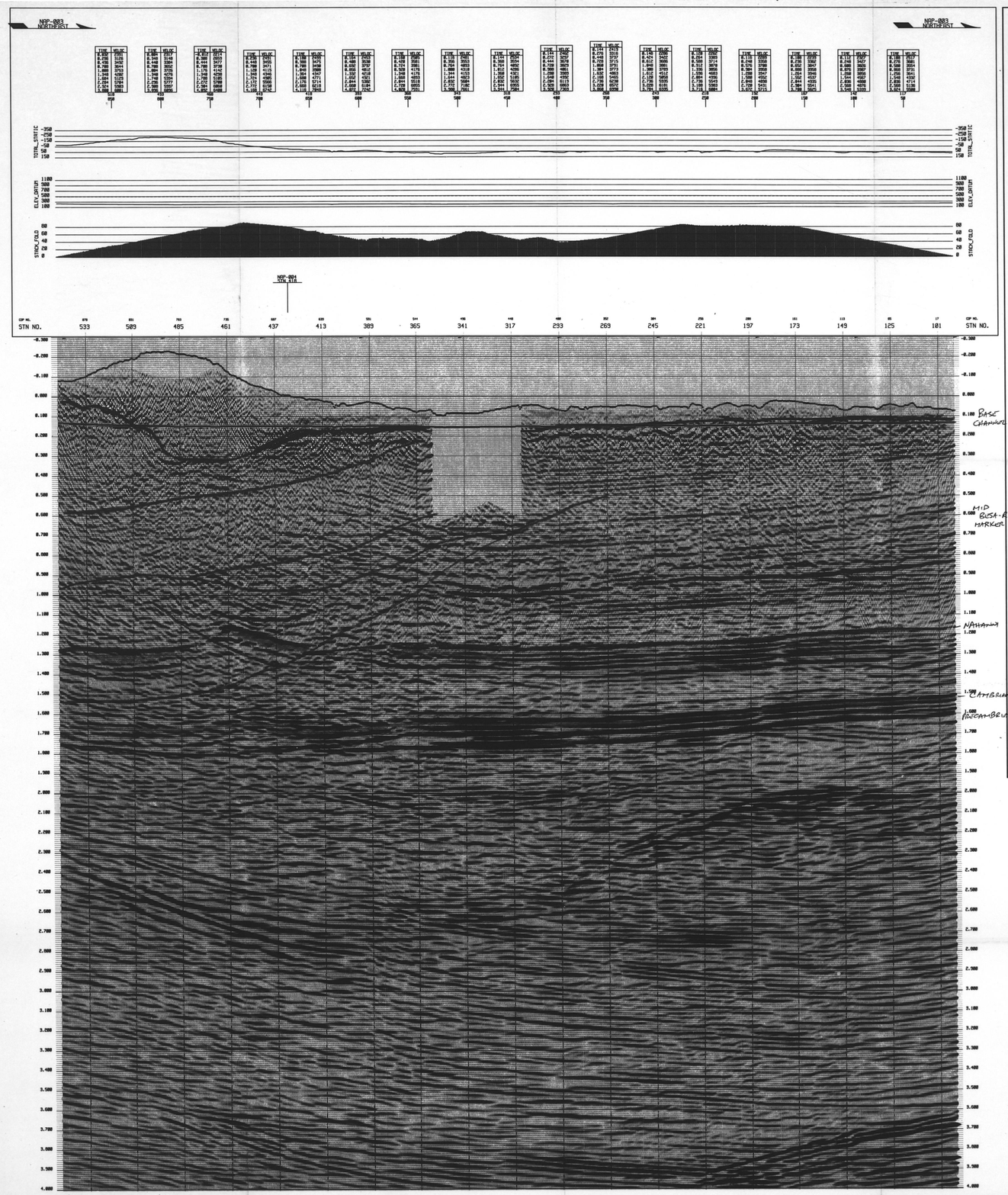

RANGER OIL LTD.

9229-B59-5E

FT. LIARD

LINE NAP-003
SPS: 93 - 547

POST STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS

SHOT FOR: RANGER OIL LTD. , APRIL 1987
SHOT BY: GECO-PRAKLA , PARTY-1254

INSTRUMENTS
RANGE/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
DRAPING: 6.7
NUMBER/GROUP: 9
GROUP LETH: 20 M

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

SPREAD
FOLD : 6800 PCT
S.P. INT : 40 M
GRP. INT : 20 M

SPREAD CONFIGURATION
TRACES: 1----------169 TRACE 1 NORTHEAST
3220.0----------3220.0 M

PROCESSED JULY 1987 BY

KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 5.0 SEC
AMPLITUDE RECOVERY
EXPONENTIAL GAIN CURVE: K(T)*AMEXX(EXP(AT)) K=1 A=0 M=2
TRACE EDITING
PHASE COMPENSATION
TYPE: GEOPHONE
VIBROSEIS PHASE COMPENSATION:
METHOD: CLUNDER WAVELET TO MINIMUM PHASE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREWHITENING: 1.0%
DESIGN GATE: 800 - 2000 MS AT ZER OFFSET
1400 - 2300 MS AT 3000M OFFSET
OFFSET RANGE: 0000 - 1000 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 10 - 100 HZ
EQUALIZATION
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: GLI
FREQUENCY SPECIMEN: EVERY SHOT
MAXIMUM SHIFT: 100 MS
WEATHERING VELOCITY: 700 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: +/- 32 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: 440 640 3020 M
TIME: -300 500 600 MS
STACK
SPIKE SUPRESSION: 2:1 THRESHOLD
FOLD: 68
MIGRATION
TYPE: KIRCHHOFF SUMMATION
VELS: 100 PCT SMOOTHED STACKING
FILTER
FREQUENCY: 10/15 - 45/55 HZ
EQUALIZATION
DESIGN WINDOW: 600 MS AGC
FINAL DISPLAY

1KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 40 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

R.R. 8X