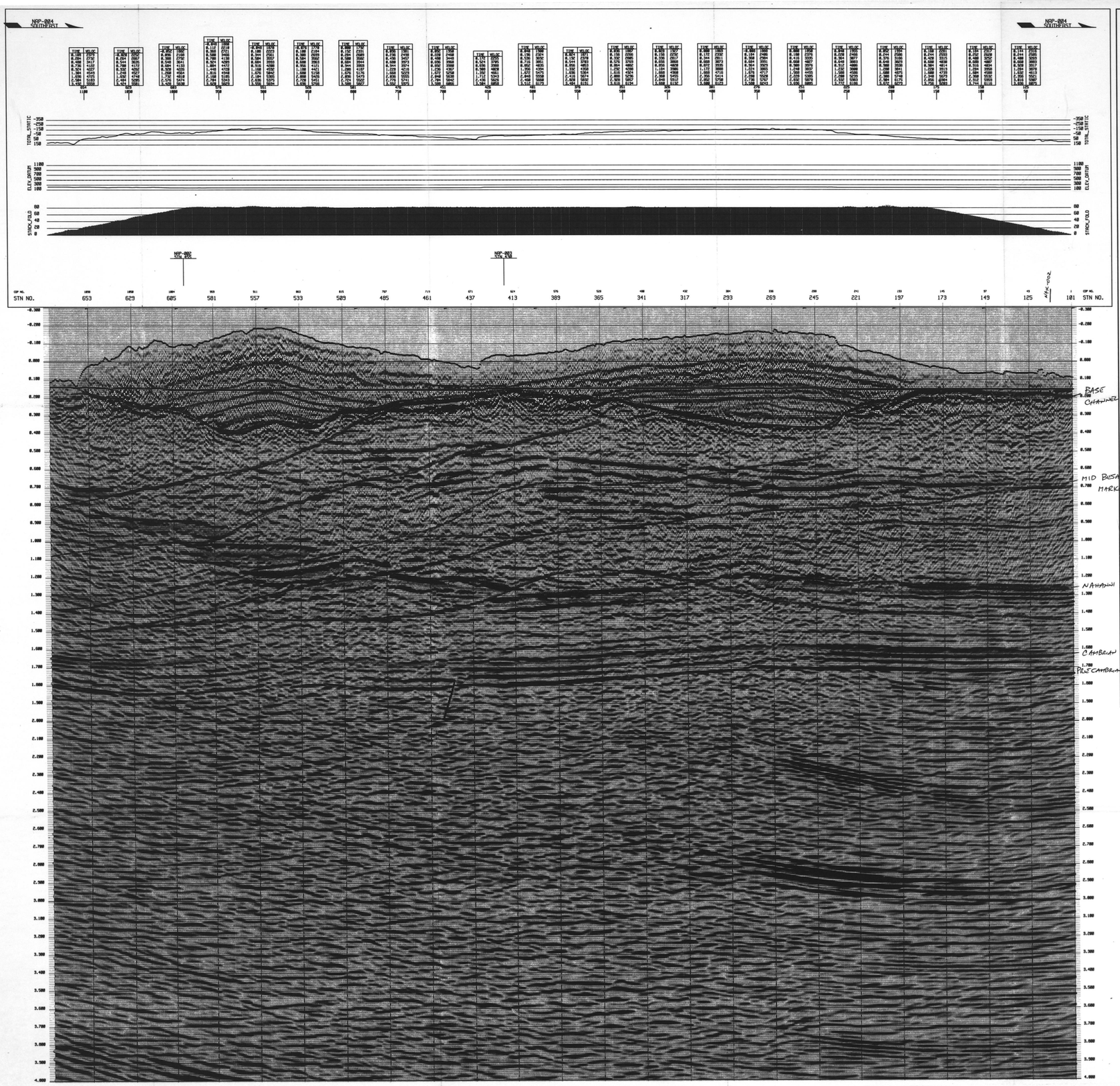


RANGER OIL LTD.

9229-B59-5E

FT. LIARD

LINE NAP-004
SPS: 101 - 674

POST 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: GEOD-PARALN : PARTY-1054

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

GEOPHONES
TYPE: OYO GSC800X- 10 HZ
DRIVING: 8.7
NUMBER/GROUP: 9
GROUP LETH: 20 M

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

SPREAD
FOLD : 6000 PCT
S.P. INT : 40 M
GRP. INT : 20 M

SPREAD CONFIGURATION
TRACES: 1——303 TRACE 1 SOUTHERST
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: KETJPARE(K)EXP(ET)3 K=1 A=0 M=2
TRACE EDITING
PHASE COMPENSATION
TYPE: GEOPHONE
VIBROSEIS PHASE COMPENSATION:
METHOD: CLUSKER WAVELET TO MINIMUM PHASE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREWHITENING: 1.0%
DESIGN GATE: 1000 - 2500 MS NT NON OFFSET
1400 - 2500 MS NT 3000M OFFSET
OFFSET RANGE: 600 - 1500 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 10 - 100 HZ
EQUALIZATION
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
TYPE: ELI
FREQUENCY SPACING: 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 MOVEOUT
STATICS (RESIDUAL)
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 2000 MS
MAXIMUM SHIFT: +/- 30 MS
CORRELATIONS PER TRACE: 19
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL)-SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 2000 MS
MAXIMUM SHIFT: +/- 16 MS
CORRELATIONS PER TRACE: 19
NUMBER OF ITERATIONS: 2
NORMAL MOVEOUT CORRECTION:
DATUM REFERENCED- TO PLOTTED WEATHERING REPLACED SURFACE-
SEPARATELY AT SHOT AND RECEIVER
MUTE PATTERN
DISTANCE: 440 640 3020 M
TIME: -300 500 800 MS
STACK
SPIKE SUPRESSION: 3:1 THRESHOLD
FOLD: 60
MIGRATION
TYPE: KIRCHHOFF SUPRATION
WEIGHT: 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: 48 TRACES/INCH VERTICAL: 5 INCHES/SECOND
480 M/INCH 480 M/INCH

TRIATHLON RESOURCES INC. 403/270-8071

PROJ. NO. 9229 B59 5E

LINE NO. NAP-4

PART NO. 1 OF 1

R.R. 8X