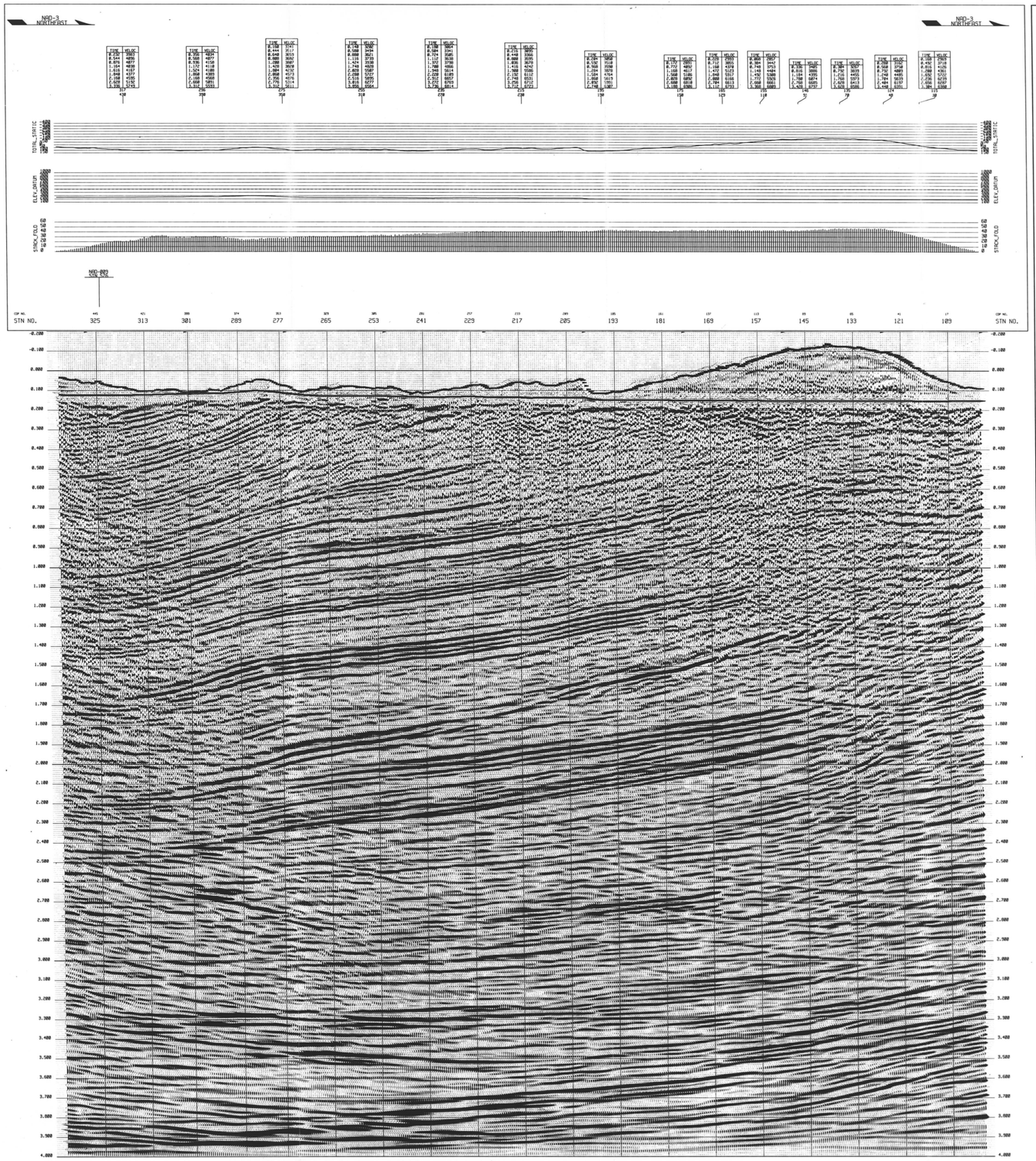

RANGER OIL LTD.

9229-B59-4E

FT. LIARD

LINE NAD-3
SPS: 101-334

PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS

SHOT FOR: NORTHCOR - MARCH 1984
SHOT BY: SEISEL GEOPHYSICAL LTD. , PARTY-501

INSTRUMENTS
MAKE/MODEL: MDS 10
FILTER: 10-125 NOTCH OUT
FORMAT: SEG-B
CHANNELS: 1
LENGTH: 6 SEC

GEOPHONES
TYPE: SUNX L-15: 10 HZ
NUMBER/GROUP: 18
GROUP LETH: 51 M

SOURCE
TYPE: DYNAMITE
CHARGE SIZE: 10 KG.
CHARGE DEPTH: 18 M.
NO. INLINE: 1

SPREAD
FOLD: 48
SHOT POINT INT: 48 M.
GROUP INT: 48 M.

SPREAD CONFIGURATION
TRACES: 1-48-+-49-96 TRACE 1 NORTHERST
1508-48-+-48-1508 M

PROCESSED JANUARY 1996 BY

KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 4.0 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: K1TSPUR(K1EXPLAT)) K=1 A=0 N=2

TRACE EDITING
PHASE COMPENSATION
TYPE: INSTRUMENT AND GEOPHONE

FK FILTER
TRANSFORMATI: FOR CALCULATION OF DECONVOLUTION OPERATORS ONLY

DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 88 MS
PREWHITENING: .1
DESIGN GATE: 1588 - 3888 MS AT 48M OFFSET
1588 - 3888 MS AT 1508M OFFSET
OFFSET RANGE: 48 - 1508 M

PARTIAL SPECTRAL BALANCING
FREQUENCY: 0 - 100 HZ

EQUALIZATION:
DESIGN GATE: SAME WINDOW AS DECON

STATICS (REFRACTION)
TYPE: GLI
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 REMOVUT

STATICS (RESIDUAL):
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 588 - 3888 MS
MAXIMUM SHIFT: +/- 32 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2

VELOCITY ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVUT

STATICS (RESIDUAL): SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 488 - 3888 MS
MAXIMUM SHIFT: +/- 16 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2

PRE-STK MIG. VEL. ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVUT

MUTE PATTERN:
OFFSET: -488 448 1508 5888 M
TIME: -388 488 1288 2888 MS

EQUALIZATION:
DESIGN WINDOW: 588 MS AGC

FULL PRE-STACK MIGRATION:
TYPE: KIRCHHOFF SUMMATION
DATUM REFERENCED, TO PLOTTED WEATHERING REPLACED SURFACE, SEPARATELY AT SHOT AND RECEIVER

STACK:
SPIKE SUPRESSION: 3:1 THRESHOLD
FOLD: 48

FILTER:
FREQUENCY: 18/15 - 58/68 HZ

EQUALIZATION:
DESIGN WINDOW: 688 MS AGC

FINAL DISPLAY:
1KM BLIP INCREMENT

DISPLAY PARAMETERS

HORIZONTAL: 28.0 TRACES/INCH VERTICAL: 5 INCHES/SECOND
488 M/INCH 488 M/INCH

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Fax (613) 731-0453

PROJ. NO. 9229-B59-4E

LINE NO. NAD-3

PART NO. 1 OF 1

R.R. 8X