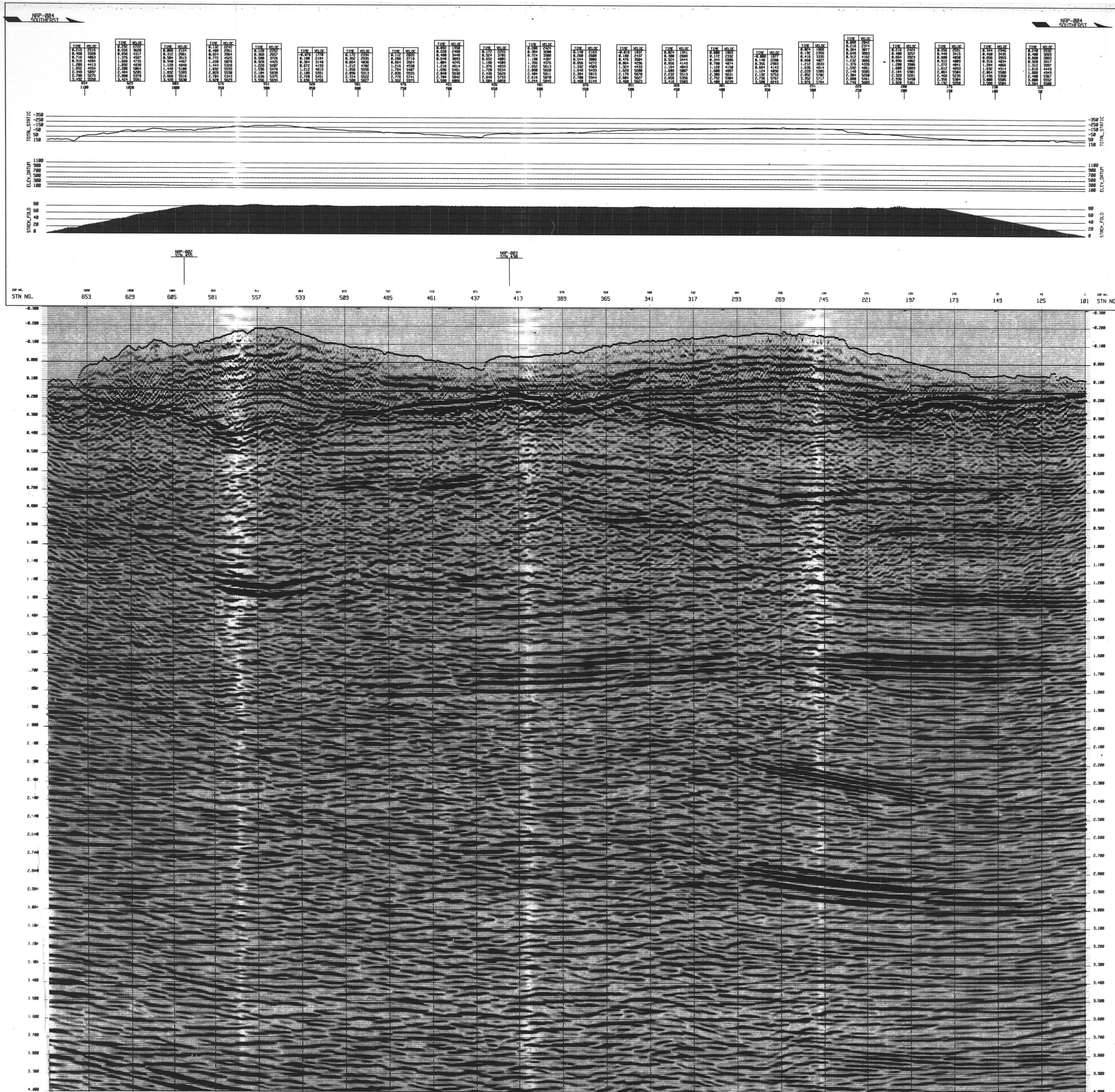




RANGER OIL LTD.

9229-B59-1E
FT. LIARD
LINE NAP-004
SPS: 101 - 674
PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

STATISTICS PARAMETERS
DATE: 500 M REFL VEL: 4000 M/S

FIELD PARAMETERS
SHOT FOR: RANGER OIL LTD. APRIL 1997
SHOT BY: GEO-PARLA PARTY-1264
INSTRUMENTS: GEOPHONES
PAPER/PROJ: 1/0 II
S.C.: 2 MS LENGTH: 5 SEC
FILTER: 3-125 NOTCH OUT
FORMAT: SEI-D
SOURCE
TYPE: VIBROSEIS
MODEL: 5.2
SWEEP: 18-180 HZ
LENGTH: 12 SEC
FIELD : 0000 PCT
S.C. INT : 40 M
GRP. INT : 20 M
SPREAD CONFIGURATION
TRACES: 1-323 TRACE 1 SOUTHEAST
3020.0 M

PROCESSED JULY 1997 BY
KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE
DETAILED
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 5.0 SEC
AMPLITUDE RECOVERY
EXPONENTIAL GAIN CURVE
TRACE EDITING
PHASE CORRECTION
TYPE: GEOPHONE
VIBROSEIS PHASE CORRECTION:
METHOD: CLUSTER WAVELET TO REMAIN PHASE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPREADING
OPERATOR LENGTH: 80 MS
ALIGNMENT: 1.00
RESONANCE: 1000 - 2000 MS AT 200 MS OFFSET
OFFSET RANGE: 1000 - 1000 MS
PARTIAL SPECTRAL BALANCING
FREQUENCY: 18 - 180 HZ
EQUALIZATION
METHOD: SWE WINDOW MS DECON
STATISTICS (REFRACTION)
METHOD: G.I.
FREQUENCY SPACING: 500 MS
DATA ELIMINATION: 500 MS
REPLACEMENT VELOCITY: 4000 M/S
SORT
TO COMMON DEPTH POINT
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATISTICS (RESIDUAL)
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 300 MS
CORRELATION PER TRACE: 15
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATISTICS (RESIDUAL)-SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 300 MS
CORRELATION PER TRACE: 15
NUMBER OF ITERATIONS: 2
PRE-STACK RMS. VEL. ANALYSIS:
TYPE: CONSTANT PERCENTAGE MOVEOUT
MUTE PATTERN
CLIPPING: 400 MS 500 M
FULL PRE-STACK MIGRATION:
TYPE: KIRCHHOFF SUPERPOSITION
DATA REFERENCED TO PLOTTED SEISMIC SURFACE
SURFACELY AT SHOT AND RECEIVER
STACK
SPRING SUPPRESSION: 0.1 THRESHOLD
FOLD: 80
FILTER
FREQUENCY: 18/15 - 45/35 HZ
EQUALIZATION
METHOD: 600 MS REC
FINAL DISPLAY
100 MS INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 40 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 M/INCH