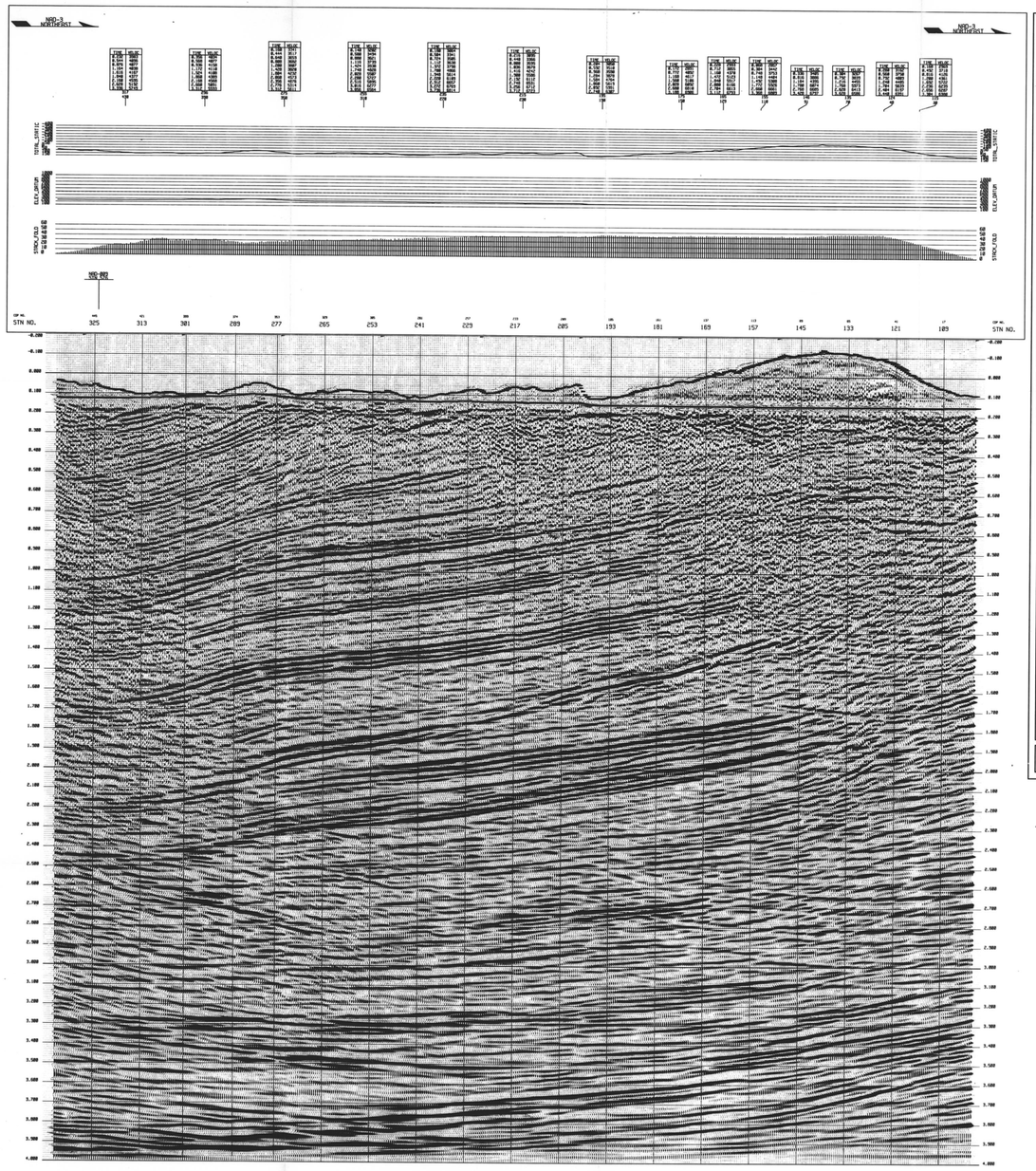

RANGER OIL LTD.

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 J-MARCH 1986
SHOT BY: KELMAN GEOPHYSICAL LTD. - PART-501

INSTRUMENTS	GEOPHONES
MAKE/MODEL: MDS 10	TYPE: MARK L-15- 10 HZ
S.A.I.Z MS LENGTH: 6 SEC	ORIENTAT: 0/
FILTER: 12-125 NOTCH OUT	NUMBER/GROUP: 10
GAIN: 12.0-0	GROUP INT: 5/ M
SOURCE	SPREAD
TYPE: DYNAMITE	TYPE:
CHARGE SIZE: 10 KG.	FOLD: 48
CHARGE DEPTH: 10 M.	SHOT POINT INT: 48 M.
MIX. PALNEI I	GROUP INT: 48 M.

SPREAD CONFIGURATION
TRACES: 1-48-4-43-96 TRACE 1 NORTHERST
1920-48-4-48-1920 M

PROCESSED JANUARY 1986 BY
KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 4.0 SEC
AMPLITUDE RECOVERY: NETSPHERICXEXPLNTX2 0=1 0=0 0=2
TRACE EDITING:
TRACE COMPOSITING:
PHASE COMPENSATION INSTRUMENT AND GEOPHONE
TYPE:
FK FILTER FOR CALCULATION OF DECONVOLUTION OPERATORS ONLY
TRANSFORMS:
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREDICTION: 16
DESIGN GATE: 1000 - 5000 MS WT 4DM OFFSET
1400 - 3000 MS WT 15DM OFFSET
OFFSET RANGE: 0 - 3000 M
PARTIAL SPECTRAL BALANCING 1:10
FREQUENCY: 0 - 128 HZ
EQUALIZATION: SPEC WINDOW MS DECON
DESIGN GATE:
STATICS (REFRACTION)
METHOD: ELI
FREQUENCY SPACING: EVERY SHOT
CORRELATION WINDOW: 100 MS
REFRACTOR VELOCITY: 3500 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT:
TO COMMON DEPTH POINT
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
TYPE:
STATICS (RESIDUAL): AUTOMATIC SURFACE CONSISTENT
TYPE:
CORRELATION WINDOW: 400 - 3000 MS
CORRELATION ZONE: 100 - 1000 MS
CORRELATIONS PER TRACE: 15
ITERATIONS: 2
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
TYPE:
STATICS (RESIDUAL): SECOND PASS AUTOMATIC SURFACE CONSISTENT
TYPE:
CORRELATION WINDOW: 400 - 3000 MS
CORRELATION ZONE: 100 - 1000 MS
CORRELATIONS PER TRACE: 15
ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS: CONSTANT PERCENTAGE REMOVAL
TYPE
MUTE PATTERN:
DESIGN: 400 400 1500 3000 M
-300 400 1200 2000 MS
EQUALIZATION:
DESIGN WINDOW: 500 MS AGC
FULL PRE-STACK MIGRATION: KIRCHHOFF SUMMATION
DATUM REFERENCED: TO PLOTTED GEOMETRICAL REPLACED SURFACE-
SEPARATELY BY SHOT AND RECEIVER
STACK:
MODE SUPERSUM 3:1 THRESHOLD
FOLD: 48
FILTER:
FREQUENCY: 18/15 - 56/50 HZ
EQUALIZATION:
DESIGN WINDOW: 1000 MS AGC
FINAL DISPLAY:

1KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 20.0 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 M/INCH 400 M/INCH

TRIATHLON PROJ. NO. 9229 B59 4E LINE NO. NAD-3 PART NO. 1 OF 1 R.R. 10X