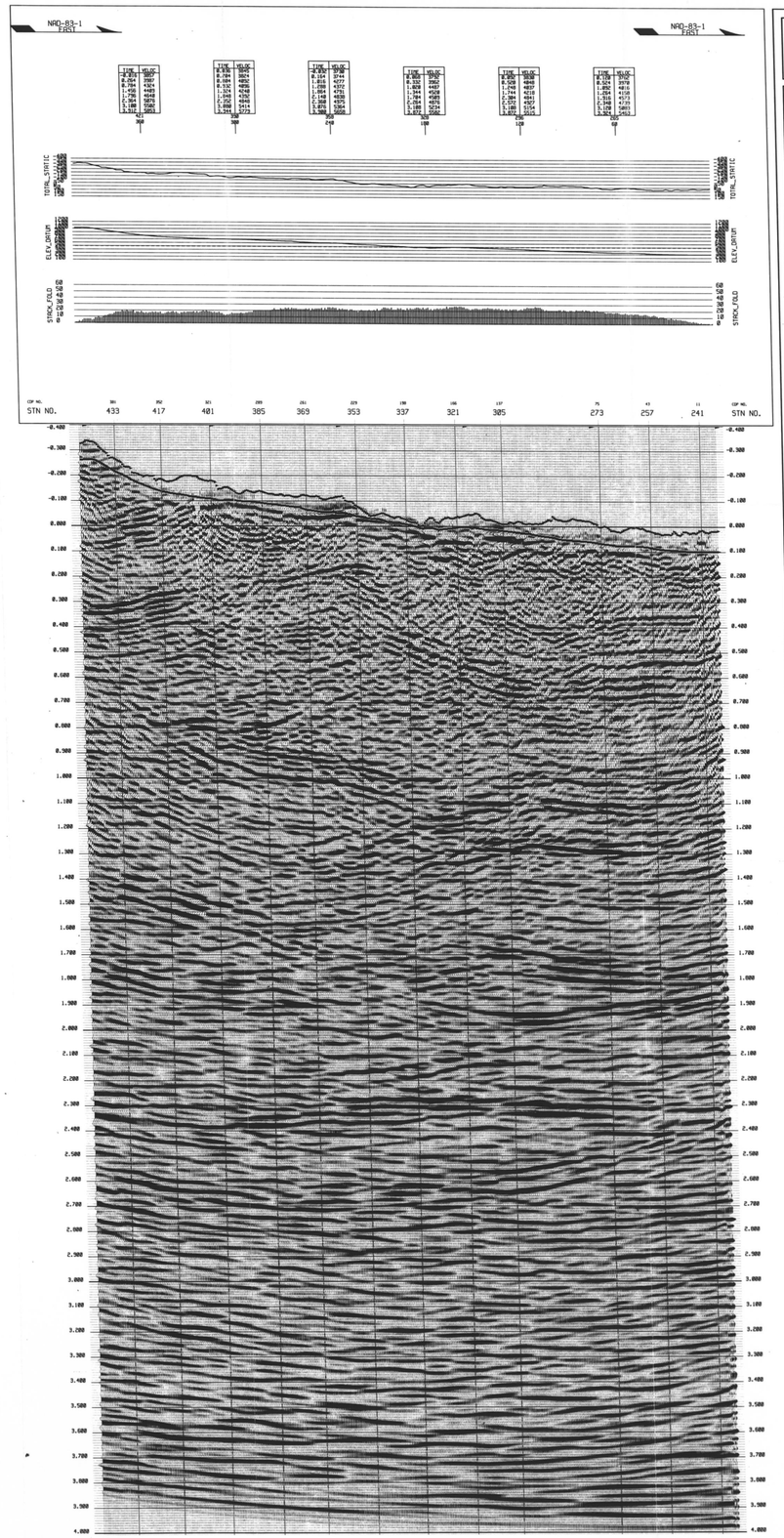

RANGER OIL
LTD.

9229-B59-4E

FT. LIARD

LINE NAD-83-1
SPS: 243-445

PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS
SHOT FOR: NORTHCOR , OCTOBER 1983
SHOT BY: SEFEL GEOPHYSICAL LTD. , PART#:521
INSTRUMENTS
MAKE/MODEL: SERCEL 338 MR
S.R.I: 2 MS LENGTH: 6 SEC
FILTER: LP:125 NOTCH OUT
FORMAT: SEG-B
SOURCE
TYPE: DYNAMITE
CHARGE SIZE: 50 KG. VARIES
CHARGE DEPTH: 15 M.
NO. INLINE: 1
GEOPHONES
TYPE: MAKE 4.5-15. 14 HZ
DAMPING: 0.7
NUMBER/GROUP: 18
GROUP LGTH: 50 M
SPREAD
FOLD: 24
SHOT POINT INT: 50 M.
GROUP INT: 25 M.
SPREAD CONFIGURATION
TRACES: 1-48-+-49-96 TRACE 1 EAST
1200-25-+-25-1200 M

PROCESSED APRIL 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: KE?(PURE%XE(EXPERT)) N=1 N=0 N=2
TRACE EDITING
PHASE COMPENSATION
TYPE: INSTRUMENT AND GEOPHONE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREWHITENING: 1.0%
DESIGN GATE: 600 - 3000 MS MT .25M OFFSET
500 - 3000 MS MT 1200M OFFSET
OFFSET RANGE: 100 - 1200 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 0 - 128 HZ
EQUALIZATION
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: GLI
FREQUENCY SPECING: EVERY SHOT
DATUM ELEVATION: 500 M
WEATHERING VELOCITY: 2500 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: 600 - 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: 200 - 3000 MS
MAXIMUM SHIFT: +/- 16 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
MUTE PATTERN
DISTANCE: 400 440 1500 5000 M
TIME: -300 400 1200 2000 MS
EQUALIZATION
DESIGN WINDOW: 500 MS AGC
FULL PRE-STACK MIGRATION
TYPE: KIRCHHOFF SUMMATION
DATA REFERENCED: TO PLOTTED WEATHERING REPLACED SURFACE, SEPARATELY BY SHOT AND RECEIVER
STACK
SPIKE SUPRESSION: 3:1 THRESHOLD
FOLD: 24
FILTER
FREQUENCY: 18/15 - 45/55 HZ
EQUALIZATION
DESIGN WINDOW: 600 MS AGC
FINAL DISPLAY

1KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 32.0 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 M/INCH 400 M/INCH

terra
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Canada K1G 3P2
Tel. (613) 733-9571
Fax. (613) 731-0453

PROJ. NO. 9229-B59-4E

LINE NO. NAD-83-1

PART NO. 1 OF 1

R.R. 8X