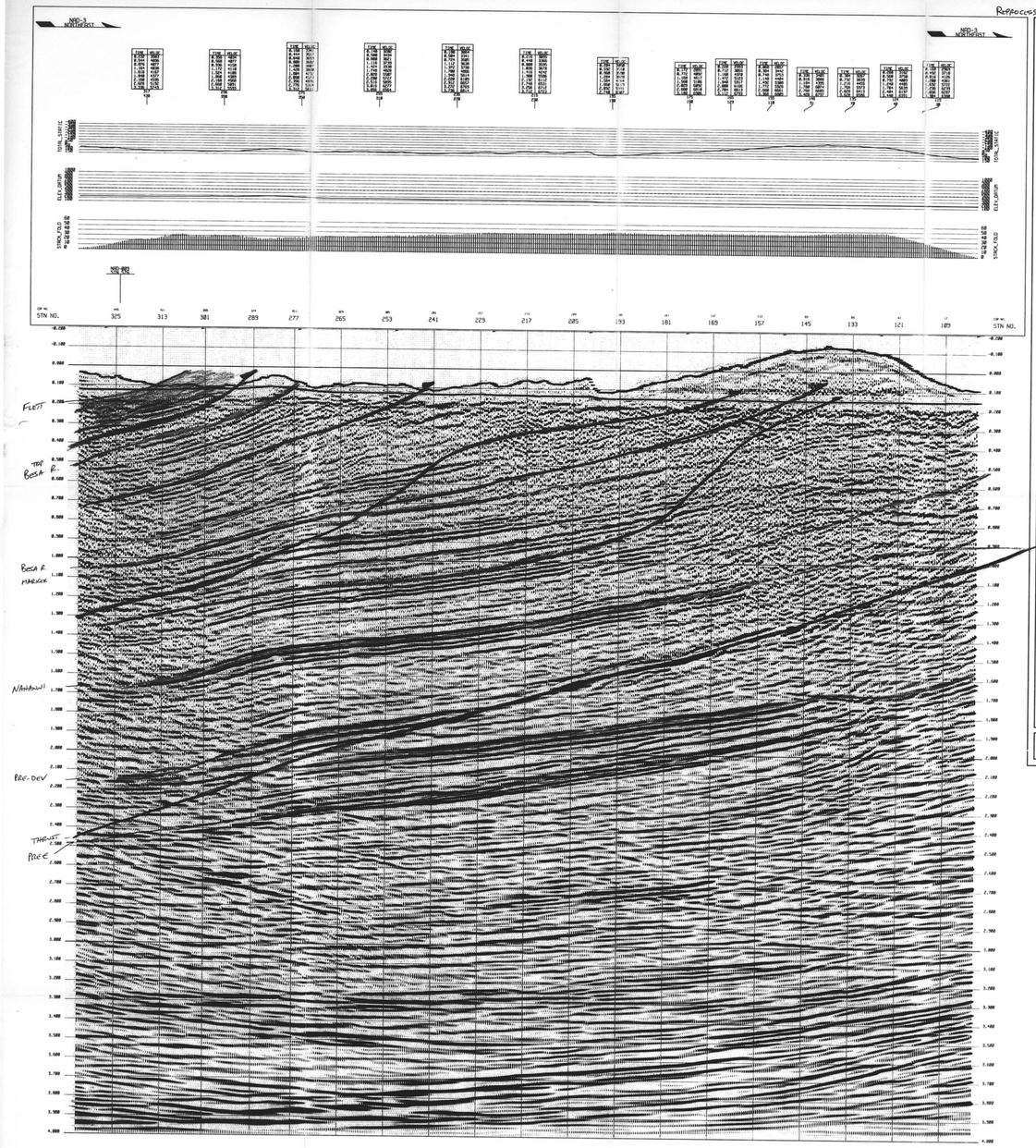
REPROCESSED – INTERPRETED SECTION JES

RANGER OIL OCT/96



RANGER OIL LTD.

9229-059-4K
FT. LIARD

LINE NAD-3
SPS: 101-334
(OLD LINE # OTC-003)
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: SEISL GEOPHYSICAL LTD. - PRAT1-581

INSTRUMENTS
MAKE/MODEL: MDS 10
FILTER: 18-HZ, 48 DB/OCTAVE; 8 SEC
FILTER: 18-HZ, MATCH OUT
FORMAT: SEG-B

GEOPHONES
TYPE: MARK L-15- 10 HZ
NUMBER: 1
NUMBER/GROUP: 18
GROUP LENTH: 51 M

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

SPREAD
FIELD: 96
SHOT POINT INT: 48 M.
GROUP INT: 48 M.

SPREAD CONFIGURATION
TRACES: 48-4-48-96 TRACE 1 NORTHERN:
1928-4-48-1928 M

PROCESSED JANUARY 1996 BY

KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SINGLE WAVE: Z,X,R MS
DEMULTIPLEX SEQUENCE: Z,X SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: ALT*(AMP(X)*EXP(ATT)) ALL X=R N.
TRACE EDITING
PHASE COMPENSATION
TYPE: INSTRUMENT AND GEOPHONE
FK FILTER
TRANSFORMATION: FOR CALCULATION OF DECONVOLUTION OPERATORS ONLY
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 160 MS
PREWHITENING: 1.0%
DESIGN GATE: 1500 - 3000 MS WT 400 OPT(S)
1500 - 3000 MS WT 1500M OPT(X)
OPTIMIZ RANGE: 50 - 2500 M
PARTIAL SPECTRAL BALANCING :
EQUALIZATION: 8 - 108 HZ
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: GLI
DATUM: 500 M
REFRACTOR VELOCITY: 4000 M/SEC
SUBSURFACE VELOCITY: 4000 M/SEC
SORT:
CDP: MIDPOINT
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): AUTOMATIC SURFACE CONSISTENT
TYPE:
CORRELATION WINDOW: 600 - 3000 MS
MAXIMUM SHIFT: +/- 30 MS
NUMBER OF ITERATIONS: 2.
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 600 - 3000 MS
MAXIMUM SHIFT: +/- 16 MS
NUMBER OF ITERATIONS: 2.
PRE-STK MIG. VEL. ANALYSIS: CONSTANT PERCENTAGE REMOVAL
TYPE:
MUTE PATTERN: 400 MS (500 5000 M.
TYPE: 1500 MS (2000 2500 M)
EQUALIZATION: 500 MS MSC
DESIGN WINDOW:
FULL PRE-STACK MIGRATION:
TYPE: 3D PRESTACK MIGRATION
DATUM REFERENCED, TO FLATTED REFRACTOR REPLACED SURFACE.
SEPARATELY AT SHOT AND RECEIVER
STACK:
MUTE SUPRESSION: 3:1 THRESHOLD
TYPE: NO
FILTER:
FREQUENCY: 18/25 - 50/60 HZ
EQUALIZATION:
DESIGN WINDOW: 600 MS MSC
FINAL DISPLAY:

1KM BLIP INCREMENT

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

TRIATHLON PROJ. NO. 9229 059 4E LINE NO. NAD-3 PART NO. 1 OF 1 R.R. 10X