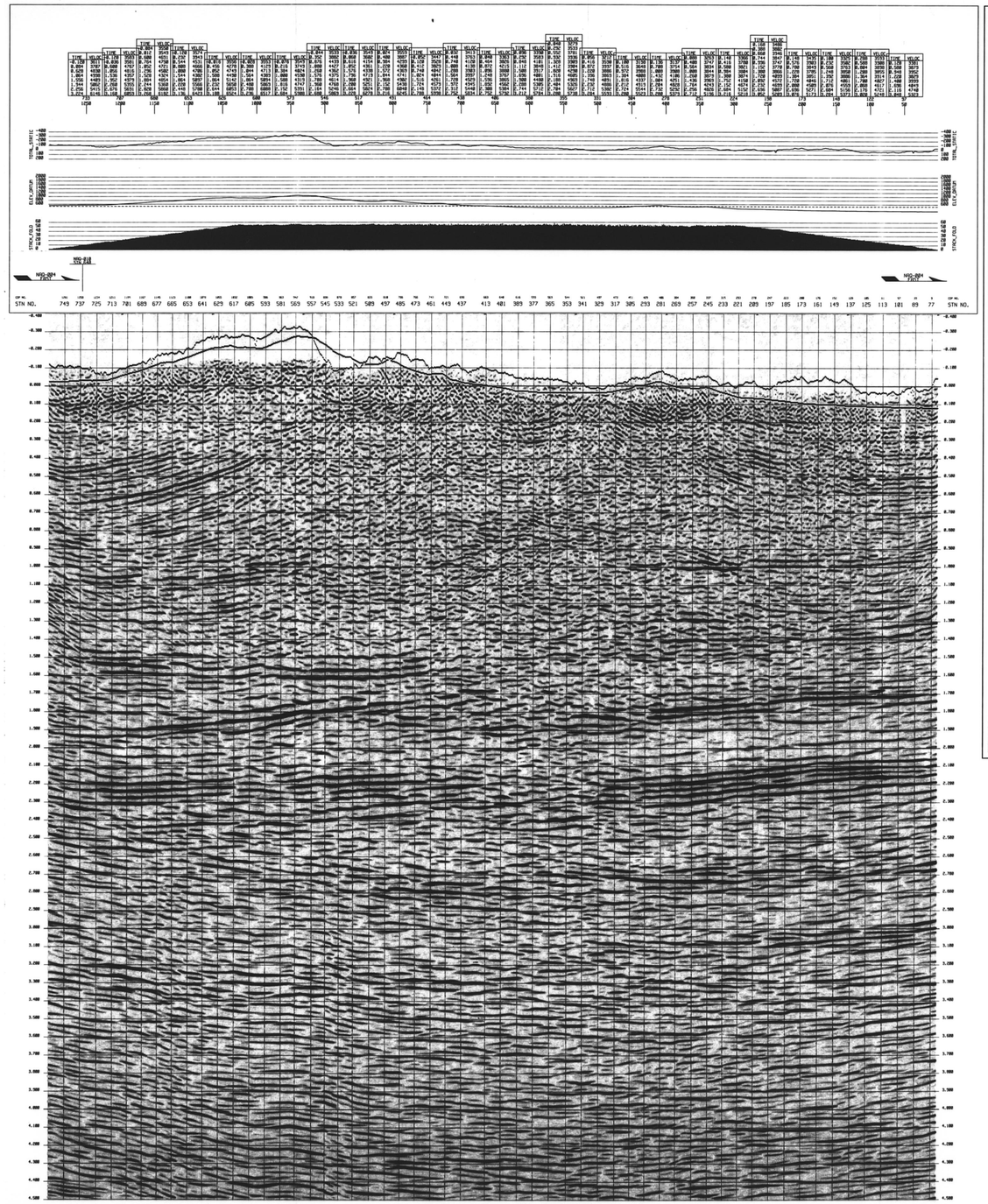

RANGER
OIL
LTD.

9229-B59-7E/9E

FORT LIARD

LINE: NAQ-004
SPS: 75-761

PRE-STACK
MIGRATION.

NORMAL POLARITY

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

FIELD PARAMETERS

SHOT FOR : RANGER OIL LTD JUNE 1986
SHOT BY : GEOS-PANALH PTY # 1267

INSTRUMENTS
ARAY/MODEL: I/O SYSTEM TWO
S/R : 2 SC
LENGTH : 2 SC
FILTER : OUT-135 HZ
NOTCH : OUT
FORMAT : SEG-D

GEOPHONES
TYPE : OBCX
FREQUENCY : 10 HZ
DAMPING : 0.7
NUMBER/GROUP : 6
SPACING : 3.9
GROUP LENGTH: 15 M

SOURCE
TYPE : DYNAMITE
CHARGE : 20 KG
DEPTH : 28 M
NO. IN LINE: 1

SPREAD
FOLD : 5000 PCT
S.P. INT : 78 M
SRP. INT : 15 M

CONFIGURATION
←588-35—4-15—4588 M→
1-588-4-381-588

PROCESSED JULY 1990 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE: 2.0 MS
RECORD LENGTH AFTER: 4.0 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: AT(T)*EXP(B.0*(AT(T)) A=1 B=0 N=2
TRACE EDITING:
PHASE COMPENSATION:
TYPE: GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREDICTION: 8 MS
WINDOW: 1500 - 3000 MS BT 70 OFFSET
1500 - 3000 MS BT 5000 OFFSET
OFFSET RANGE: 0500- 5000 METERS
SPECTRAL BALANCING:
FREQUENCY: 10 - 100 HZ
EQUALIZATION:
DESIGN GATE: SHOT WINDOW MS DECON
STATICS (REFRACTION):
TYPE: GENERALIZED LINEAR INVERSION
FREQUENCY SPACING: EVERY SHOT
DATUM ELEVATION: 500 M
DATUM REPLACEMENT VELOCITY: 4000 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT:
TO EQUAL CDP INTERVAL
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 3000 MS
MAXIMUM SHIFT: 80 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 2ND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 3000 MS
MAXIMUM SHIFT: 20 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS: CONSTANT PERCENTAGE REMOVAL
TYPE:
MUTE PATTERN:
OFFSET: 100 310 2000 4000 M
TIME: -270 415 1800 2800 MS
EQUALIZATION:
DESIGN WINDOW: 500 MS RMS
PRE STACK MIGRATION:
TYPE: 2D.F - FFRD
DATUM: KIRCHOFF SUMMATION
DATUM REFERENCED, TO PLOTTED AS(MISSING REPLACED SURFACE).
REFERENCED BY SHOT AND RECEIVER
STACK:
TYPE SUPRESSION: 3:1 THRESHOLD
OUTPUT STACKED DATA:
FORMAT: SEGY TO CLIENT REEL
FILTER:
TYPE: 18/35-68/78 HZ
EQUALIZATION:
DESIGN WINDOW: 500 MS RMS
OUTPUT STACKED DATA:
FORMAT: SEGY TO CLIENT REEL
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 55.9 TPI VERTICAL: 5 IPS
400 P/IN

TRIATHLON PROJ. NO. 9229 B59 7E 9E LINE NO. NAQ-4 PART NO. 1 OF 1 R.R. 10X