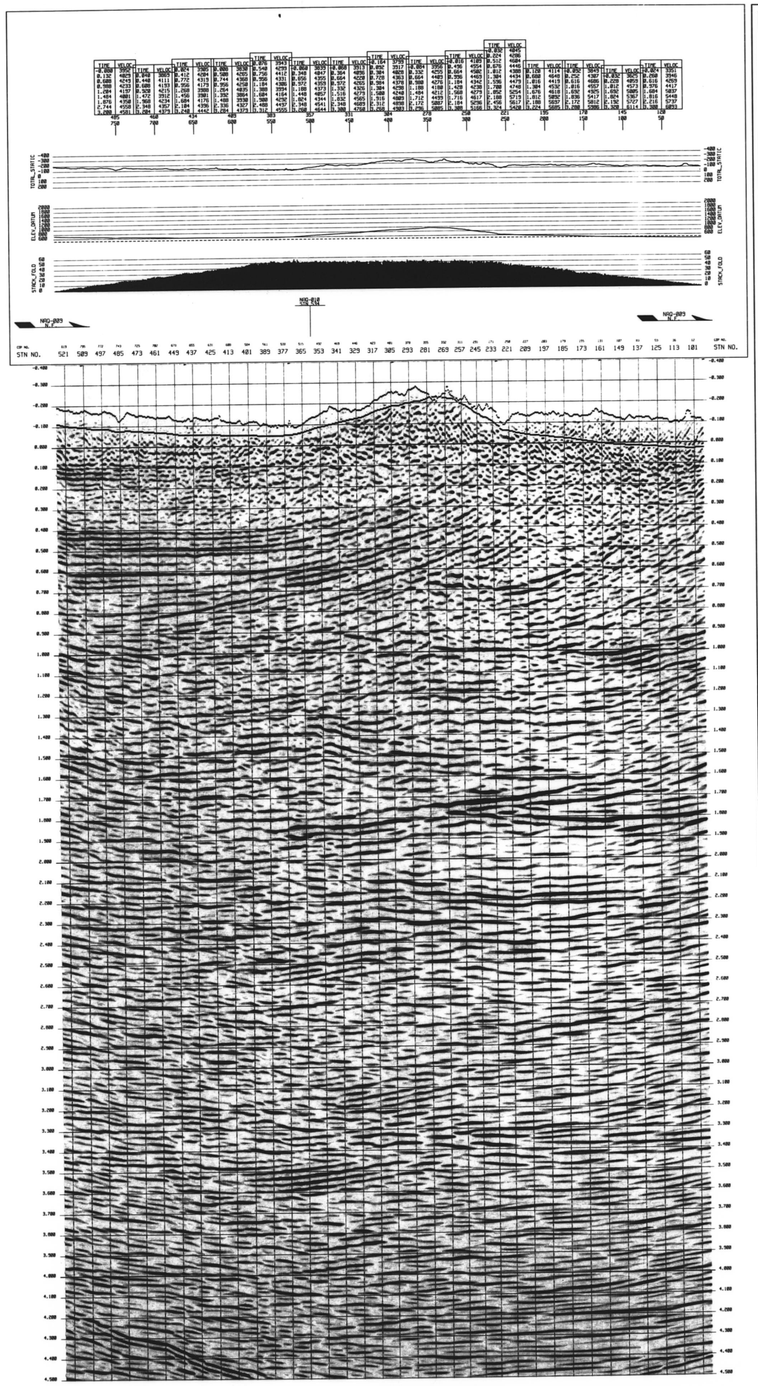

RANGER
OIL
LTD.

9229-B59-7E/9E

FORT LIARD

LINE: NAQ-009
SPS: 95-527

PRE-STACK
MIGRATION

NORMAL POLARITY

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

FIELD PARAMETERS

SHOT FOR : RANGER OIL LTD JUNE 1998
SHOT BY : GECO-PRAKLA FTT # 1267

INSTRUMENTS
MAN/MODEL : I/O SYSTEM TWO
FILM : 2.0 MS
LENGTH : 8.192
FILTER : 0.0HZ-192 HZ
GAIN : 0 DB
FORMAT : SEG-D

GEOPHONES
TYPE : OMNI
FREQUENCY : 10 HZ
DAMPING : 0.7
GROUP/PATTERN : 6
SPACING : 5 M
GROUP LENGTH: 15 M

SOURCE
TYPE : DYNAMITE
CHARGE : 10 KG
DEPTH : 18 M
NO. ON/NO. : 1

SPREAD
TYPE : 5000 PCT
OFF. INT : 100 M
GAP. INT : 15 M

CONFIGURATION
4500-25-4-25-4500 M
1-500-4-501-600

PROCESSED JULY 1998 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE : 2.0 MS
PROCESS RECORD LENGTH : 4.0 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL SCALE-GAIN : M(T)*EXP(K*SQRT(T)) K=2 A=0 B=2
PHASE CORRECTIONS:
TYPE : GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE : SURFACE CONSISTENT SPIKING
OPERATOR LENGTH : 0.4 S
PREDICTION : 100 - 1000 MS BT 25 OFFSET
DESIGN GATE : 1000 - 2000 MS BTWN OFFSET
OFFSET RANGE : 250 - 2000 METERS
SPECTRAL BALANCING:
FREQUENCY : 10 - 100 HZ
EQUILIZATION:
DESIGN WINDOW : SAME WINDOW MS DESIGN
STATICS (REFRACTION)
METHOD : GENERALIZED LINEAR INVERSION
DATUM(S) SPHERE : 500 FEET
WEATHERING VELOCITY : 2000 M/SEC
REPLACEMENT VELOCITY : 4000 M/SEC
SORT:
TYPE : CDP CDP INTERVAL
VELOCITY ANALYSIS:
TYPE : CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE : REFERENCE SURFACE CONSISTENT
CORRELATION WINDOW : 100 - 1500 MS
MAXIMUM SHIFT : +/- 40 MS
CORRELATIONS PER TRACE : 25
ITERATIONS PER PASS : 2
VELOCITY ANALYSIS:
TYPE : CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 2ND PASS
TYPE : REFERENCE SURFACE CONSISTENT
CORRELATION WINDOW : 100 - 1500 MS
MAXIMUM SHIFT : +/- 20 MS
CORRELATIONS PER TRACE : 25
ITERATIONS PER PASS : 2
PRE-STK MIG. VEL. ANALYSIS:
TYPE : CONSTANT PERCENTAGE REMOVAL
MUTE PATTERN:
DISTANCE : 200 300 2000 2500 M
TIME : 0.0 0.0 1000 2000 MS
EQUILIZATION:
DESIGN WINDOW : 500 MS MAC
PRE STACK MIGRATION:
TYPE : 2D.F - KIRK
DATE : 2.DEGREE DIPPERSION
DATUM REFERENCED: TO PLOTTED WEATHERING REPLACED SURFACE.
SEPARATELY BY SHOT AND RECEIVER
STACK:
TYPE : SUPPRESSION : 3:1 THRESHOLD
OUTPUT STACKED DATA:
FORMAT : SEGY TO CLIENT REEL
FILTER:
FREQUENCY : 10/15-60/70 HZ
EQUALIZATION:
DESIGN WINDOW : 500 MS MAC
OUTPUT STACKED DATA:
FORMAT : SEGY TO CLIENT REEL
FINAL DISPLAY:

1 MM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 53.3 TPI VERTICAL: 5 IPS
AGC 0/26

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