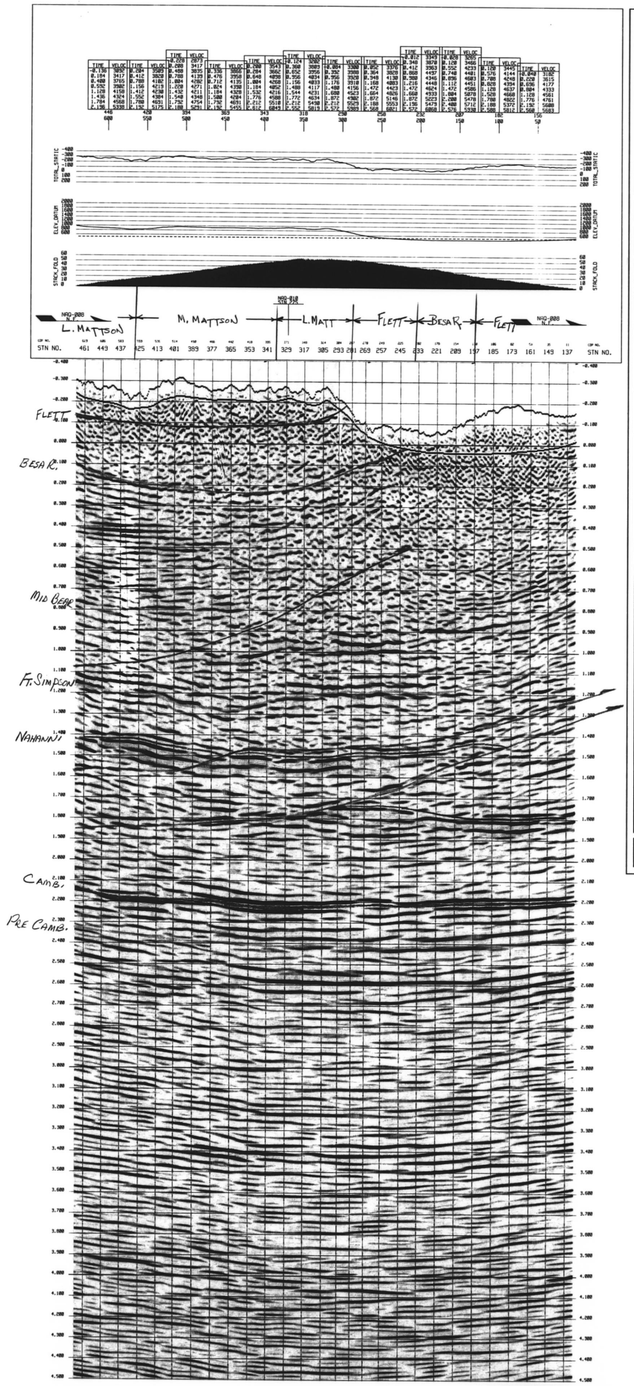

Final Output

RANGER OIL LTD.

9229-B59-7E 9E

FORT LIARD

LINE: NAO-008
SPS: 131-467

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 : GEOS-PARALLAX FTY # 1207

INSTRUMENTS
SHOT MODEL : 2 X 6L
TYPE : SERCEL SYSTEM TWO
LENGTH : 0 SEC
FILTER : OUT-135 HZ
NOTCH : OUT
FORMAT : SEG-D

GEOPHONES
TYPE : 2 OMNI
FREQUENCY : 10 HZ
DRIFT/ZMC : 0.0
NUMBER/GROUP : 6
SPACING : 3 M
GROUP LENGTH : 15 M

SOURCE
TYPE : DYNAMITE
SIZE : 20 KG
DEPTH : 8 M
NO. IN LINE : 8

SPREAD
FOLD : 60
S.P. INC : 5000 PCT
G.P. INC : 50 M
SRP. INC : 15 M

CONFIGURATION
+500.12 -+ 10 -+500 M
-300 -+ 301-600

PROCESSED JULY 1998 BY

KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS BEYOND 5MS: 2.0 SEC
PROCESS BEYOND LENGTH: 4.0 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: W(T)=PWR(W(0)*EXP(BT)) A=1 B=0 N=2
TRACE EDITING:
PHASE COMPENSATION: GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPIKING
PREDICTION LENGTH: 96 MS
PREDICTION LAG: 4 MS
DESIGN GATE: 1000- 3000 MS AV. 2M OFFSET
1000- 3000 MS AV. 8000M OFFSET
OFFSET RANGE: 0- 3000 METERS
SPECTRAL BALANCING:
FREQUENCY: 10 - 100 HZ
EQUALIZATION:
DESIGN GATE: SPRE WINDOW MS DESIGN
STATICS (REFRACTION) GENERALIZED LINEAR INVERSION
FREQUENCY SPACING: EVERY SHOT
GRID/ELEVATION: DAM M
SHOT/RECEIVER VELOCITY: 4000 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT:
TO EQUAL CDP INTERVAL
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE: MAXIMUM SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 2000 MS
MAXIMUM SHIFT: 40 MS
CORRELATIONS PER TRACE: 25
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 2ND PASS
TYPE: MAXIMUM SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 2000 MS
MAXIMUM SHIFT: 40 MS
CORRELATIONS PER TRACE: 25
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS: CONSTANT PERCENTAGE REMOVAL
MUTE PATTERN:
DISTANCE: 100 310 2000 4000 M
TIME: -1270 410 1800 2870 MS
EQUALIZATION:
DESIGN WINDOW: 500 MS RMS
PRE STACK MIGRATION:
TYPE: 3D.F - SPRE
DATUM: SURFACE SUPERSTION
DATUM REFERENCED. TO PLOTTED WITH REFERENCE REPLACED SURFACE.
SEPARATELY AT SHOT AND RECEIVER
STACK:
DESIGN SUPERSTION: 0.1 THRESHOLD
OUTPUT STACKED DATA:
FORMAT: SEGY TO CLIENT REEL
FILTER:
FREQUENCY: 10-15-60-70 HZ
EQUALIZATION:
DESIGN WINDOW: 500 MS RMS
OUTPUT STACKED DATA:
FORMAT: SEGY TO CLIENT REEL
FINAL DISPLAY:

1 MT BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 53.3 TPI VERTICAL: 5 IPS
500 M/IN

TRIATHLON PROJ. NO. 9229 B59 7E 9E LINE NO. NAO-8

PART NO. 1 OF 1 R.R. 10X