

RANGER OIL
LTD.

9229-B59-4E

FT. LIARD

LINE NAJ-00003
SPS: 1-18

PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS
SHOT FOR: ARCO CANADA, 4 JULY 1988
SHOT BY: WESTERN GEOPHYSICAL
INSTRUMENTS: GEOPHONES
PULSE/RECORD: ANALOG TYPE: LE-4, 14 HZ
S.C.: 2 FS COMPRESS: 0.4
LENGTH: 3 SEC NUMBER/TRACE: 18
GROUP LETS: 60 M
SOURCE: TYPE: DYNAMITE FOLD: 300 PCT
CHARGE SIZE: 300 S.P. INT: 353 M
CHARGE DEPTH: 12 M SPS: 1NT
NO. INLINE: 3

SPREAD CONFIGURATION
TRACES: 1-18-43-76 TRACES 1 NORTHEAST
1147-33-43-1147 M

PROCESSED AUGUST 1990 BY
KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE
DEMULTIPLEX
PROCESS SOURCE WIDE: 2.0 HZ
PROCESS RECORD LENGTH: 3.0 SEC
TRACE EDITING
PHASE COMPENSATION
TYPE: GEOPHONE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPREADING
OPERATOR LENGTH: 80 M
FREQUENCY: 1.0
DESIGN GATE: 500 - 2000 HZ AT 100 M OFFSET
500 - 2000 HZ AT 1147 M
OTHER RANGES: 18 - 1147 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 18 - 100 HZ
EQUALIZATION
DESIGN GATE: SAME WINDOW AS DECON
STATISTICS (REFRACTION)
METHOD: GLL
FREQUENCY SPACING: 0.001 HZ
GATE ELEVATION: 500 M
REFRACTION VELOCITY: 700 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT
TO COMMON REFRACTION POINT
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATISTICS (RESIDUAL)
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 400 - 4000 HZ
PATTERN SHIFT: +/- 30 HZ
CORRELATION PER TRACES: 15
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATISTICS (RESIDUAL)-SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 400 - 4000 HZ
PATTERN SHIFT: +/- 10 HZ
CORRELATION PER TRACES: 15
NUMBER OF ITERATIONS: 2
PRE-STACK MIG. VEL. ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
ROUTE PATTERN
DISTANCE: 400 M 1000 M 4000 M
TIME: 4000 M 7000 M 10000 M
EQUALIZATION
DESIGN WINDOW: 500 M SEC
FULL PRE-STACK MIGRATION
TYPE: KIRCHHOFF SUBSTATION
DATA REFERENCED TO PLUTED WETTERING REPLACED SURFACE.
SEPARATED BY SHOT AND RECEIVER
STACK
SINE SUPPRESSION: 3:1 THRESHOLD
FILTER
FREQUENCY: 18/15 - 45/25 HZ
EQUALIZATION
DESIGN WINDOW: 600 M SEC
FINAL DISPLAY

1KM BLIP INCREMENT
DISPLAY PARAMETERS
HORIZONTAL: 10.21 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 M/INCH

