RANGER OIL LTD.

9229-859-4E
FT. LIARD

LINE NAJ-00002
SPS: 1-24

PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS
SHOT FOR: PRICE CANADA - JULY 1968
SHOT BY: WESTERN GEOPHYSICAL
INSTRUMENTS
MAKE/MODEL: ANALOG
TYPE: 24
LENGTH: 5 SEC
GEOPHONES
TYPE: SP-4L, 14 HZ
PATTERN: 12 X 1
NUMBER/GROUP: 18
GROUP LETH: 56 M
SOURCE
TYPE: 1 DYNAMITE
CHARGE SIZE: 1 SKM
CHARGE DEPTH: 12 M
NO. INLINE: 1 3
SPREAD
FOLD: 1 000 PCT
REC. INT: 1 00 M
SHP. INT: 1 00 M
SPREAD CONFIGURATION
TRACES: 1-24=-13-36 TRACE 1 NORTHWEST
1147-33-4-33-1147 M

PROCESSED AUGUST 1990 BY
KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE
DEMULTIPLEX
PROCESS RECORD WORD: F.P 48 BS.
PROCESS RECORD LENGTH: 4.0 SEC.
TRACE EDITING
PHASE COMPENSATION
TYPE: GEOPHONE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREDICTION: 8 MS
DESIGN GATE: 500 - 2000 MS BY 500 OFFSET
1500 - 2500 MS AT 11470 OFFSET
OFFSET RANGE: 150 - 1147 M
PARTIAL SPECTRAL BALANCING
FREQUENCY: 18 - 100 HZ
EQUALIZATION
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
TYPE: FIX
PRESERVE SPACING: ELEV. SHIFT
DATUM ELEVATION: 500 M
REFRACTION VELOCITY: 4000 M/SEC
REPLACEMENT VELOCITY: 3000 M/SEC
SORT
TO COMMON DEPTH POINT
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL)
TYPE: HISTORICAL SURFACE CONSISTENT
CORRELATION WINDOW: -400 - 2000 MS
CORRELATION PER TRACE: 1 % 50 MS
CORRELATIONS PER TRACE: 1
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL)-SECOND PASS
TYPE: HISTORICAL SURFACE CONSISTENT
CORRELATION WINDOW: -400 - 2000 MS
CORRELATION PER TRACE: 1 % 50 MS
CORRELATIONS PER TRACE: 1
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL
MUTE PATTERN
DESIGNATE: -400 400 1400 2000 M
TYPE: -400 300 700 1200 MS
EQUALIZATION
DESIGN WINDOW: 500 MS ASC
FULL PRE-STACK MIGRATION
TYPE: STATIONARY SLANTSTACK
DATUM REFERENCED: TO PLOTTED GEOMORPHIC REPLACED SURFACE.
SEPARATELY AT SHOT AND RECEIVER
STACK
TRACE SUPPRESSION: 3:1 THRESHOLD
MUTE: 0
FILTER
FREQUENCY: 18/15 - 45/55 HZ
EQUALIZATION
DESIGN WINDOW: 500 MS ASC
FINAL DISPLAY

INT BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 12.5 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 TI/INCH 400 TI/INCH

TRIATHLON PROJ. NO. 9229 B5 9 4E LINE NO. NAJ-2 PART NO. 1 OF 1 R.R. 10X