CANADIAN
FOREST
OIL LTD.

9229-C131-2E

MAXHAMISH

LINE: 99-EL380-14
SPS: 89 - 533

PRE-STACK
MIGRATION

NORMAL POLARITY

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

FIELD PARAMETERS

SHOT FOR : CANADIAN FOREST OIL LTD. SEPT. 1999
SHOT BY : MOLARIS EXPLORER LTD. CREW #

INSTRUMENTS
MAKE/MODEL: SARCH 24 /SARK 1
TYPE : 24 TR
LENGTH : 2.4 SEC
FILTER : 3.0 - 164 HZ
NOTCH : IN
FORMAT : SEG-Y

GEOPHONES
TYPE : OYO G32
FREQUENCY : 10 HZ
DAMPING : .6
NUMBER/GROUP: 6
SPACING : 3 M.
GROUP LENGTH: 15 M

SOURCE
TYPE : DYNAMITE
CHARGE : 20 KG
DEPTH : 20 M
NO. HOLES: 1

SPRED
FOLD : 4000 PCT
S.P. INT : 50 M
GAP, INT : 15 M

CONFIGURATION
3600--15-+-15--3600 M
1--240-+-241--480

PROCESSED SEPTEMBER 1999 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 5.0 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: ATT(MS)=EXP(ATT) MAX A=0 N=0
TRACE EDITING:
PHASE COMPENSATION:
TYPE: GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREWHITENING: 0.1 %
DESIGN GATE: 500 - 2500 MS AT 1ST OFFSET
1000 - 3000 MS AT MAXIMUM OFFSET
OFFSET RANGE: 0 - 3600 M
PARTIAL SPECTRAL BALANCING:
FREQUENCY: 8 - 88 HZ
EQUALIZATION:
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: GENERALIZED LINEAR INVERSION
PREDICTOR SPACING: EVERY SHOT
PREDICTOR DURATION: 100 MS
WEATHERING VELOCITY: 700 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT:
TO EQUAL CDP INTERVAL
VELOCITY ANALYSIS:
METHOD: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL): 1ST PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 3000 MS
MAXIMUM SHIFT: +- 16 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS:
METHOD: CONSTANT PERCENTAGE MOVEOUT
NOISE ATTENUATION
METHOD: FK FILTER
STATICS (RESIDUAL): 2ND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 3000 MS
MAXIMUM SHIFT: +- 16 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS:
TYPE: CONSTANT PERCENTAGE MOVEOUT
MUTE PATTERN:
DISTANCE: 350 370 1900 3600 M.
TIME: 300 300 500 1800 MS
EQUALIZATION:
DESIGN WINDOW: 500 MS AGC
FULL PRE-STACK MIGRATION:
TYPE: KIRCHOFF SUMMATION
DATUM REFERENCED: TO PLOTTED WEATHERING REPLACED SURFACE.
SEPARATELY AT SHOT AND RECEIVER
VELOCITIES: CLIENT VELOCITIES.
NOV 3, 1999
STACK:
NOISE SUPRESSION: 3:1 THRESHOLD
FOLD: 4000 PCT.
OUTPUT STACKED DATA:
FORMAT: SEG-Y
FILTER:
FREQUENCY: 8/12-48/58
EQUALIZATION:
DESIGN WINDOW: 500 MS AGC
OUTPUT STACKED DATA:
FORMAT: SEG-Y
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 53.3 TPI VERTICAL: 5 IPS

TRIATHLON PROJ. NO. 9228-C131-2E

LINE NO. 99-EL380-14

PART NO. 1 OF 1

R.R. 8X