

CANADIAN
FOREST
OIL LTD.

92 29 - C 131 - 2 E

MAXHAMISH

LINE: 99-EL380-18
SPS: 53 - 545

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 : POLARIS EXPLORER LTD. CREW 2

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INSTRUMENTS
NAME/MODEL : ARAPI 24 MARK 1
S.F. : 2 MS
LEACH :
FILTER : 3 - 164 KHZ
NOTCH : OUT
FORMAT : SEC-Y

GEOPHONES
TYPE : QTO 6590
FREQUENCY : 10 KHZ
CRIPPING :
NUMBERS/GROUPS : 8
SPACING : 3.0 M
GROUP LENGTH: 15 M

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

SPREAD
FOLD : 4000 PCT
S.F. INT : 38 M
GRP. INT : 15 M
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CONFIGURATION
3600--15--15--3600 M
1--240--241--480

PROCESSED SEPTEMBER 1999 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

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PROCESSING SEQUENCE
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DECIMAL SIMPLE RATE          2.0 MS
PHASE RECORD LENGTH         5.0 SEC
AMPLITUDE COVERAGE:
  EXPONENTIAL SCAN CURVE
TRACE EDITING:
  PHASE COMPENSATION:
    TYPE                      GEOPHONE AND INSTRUMENT
DECONVOLUTION:
  TYPE                      SURFACE CONSISTENT SPREADING
  OPERATION LENGTH          80 FS
  PENALIZATION              0.1 S
  DESIGN TYPE               500 - 5000 FS AT 1ST OFFSET
  OFFSET RANGE              1000 - 3000 FS AT 300FT OFFSET
  PARTIAL SPECTRAL BALANCING:
    FREQUENCY                0 - 80 HZ
EQUALIZATION:
  DESIGN GATE               SIDE WINDOW AS DECON
  STATICS (REFRACTION)
    METHOD                   GENERALIZED LINEAR INVERSION
    FREQUENCY SPACING       EVERY 500T
    WEATHERING VELOCITY     700 T/SEC
    REPLACEMENT VELOCITY    4000 T/SEC
  SORT:
    TO EQUAL COP INTERVAL
VELOCITY ANALYSIS:
  METHOD                     CONSTANT PERCENTAGE ROCKET
  STATICS (RESIDUAL): 1ST PASS
    CORRELATION WINDOW      SURFACE SURFACE CONSISTENT
    MAXIMUM SPLIT           500 - 3000 FS
    CORRELATIONS PER TRACE  0 - 30 FS
    NUMBER OF ITERATIONS    2
  VELOCITY ANALYSIS:
    CONSTANT PERCENTAGE ROCKET
  STATICS (RESIDUAL): 2ND PASS
    TYPE                    AUTOMATIC SURFACE CONSISTENT
    CORRELATION WINDOW      500 - 3000 FS
    MAXIMUM SPLIT           0 - 40 FS
    CORRELATIONS PER TRACE  10
    NUMBER OF ITERATIONS    2
  PRE-STK MIG. VEL. ANALYSIS:
    TYPE                    CONSTANT PERCENTAGE ROCKET
    MUTE PATTERN:
      STRENGTH              500 500 500 4000 FS
      TYPE                  500 500 500 1000 FS
EQUALIZATION:
  DESIGN WINDOW             500 FS MIC
FULL PRE-STACK NIGRATION:
  TYPE                      SURFACE SURFACE CONSISTENT
  MUTE PATTERN:
    STRENGTH                500 500 500 4000 FS
    TYPE                    500 500 500 1000 FS
  VELOCITY:
    MUTEOUT CLIENT VELOCITY 500 FS MIC
STRENGTH:
  MUTEOUT CLIENT VELOCITY 500 FS MIC
OUTPUT STROKED DATA
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  TYPE                      500 FS MIC
  DESIGN WINDOW             500 FS MIC
  EQUALIZATION:
    TYPE                    500 FS MIC
  MUTEOUT CLIENT VELOCITY 500 FS MIC

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1. 01 01 IP INCREMENT

DISPLAY PARAMETERS