

CANADIAN
FOREST
OIL LTD.

9229-C131-2E

MAXHAMISH

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

PRE-STACK
MIGRATION

NORMAL POLARITY

STATICS PARAMETERS
DATUM: 500 ft REFL. VEL: 1000 ft/s

FIELD PARAMETERS
SHOT FOR: CANADIAN FOREST OIL LTD. SEPT. 1999
SHOT BY: POLARIS EXPLORER LTD. CREW 2

INSTRUMENTS	GEOPHONES
NAME/MODEL: ARAY 24 MARK 1	TYPE: 010 0550
S.N.: 2	FREQUENCY: 10 HZ
LENGTH: 6 SEC	DROPPING: 1
FILTER: 3 - 104 HZ	NUMBER/GROUP: 6
NOTCH: OUT	SPACING: 3 ft
FORMAT: SEG-Y	GROUP LENGTH: 15 ft

SOURCE	SPREAD
TYPE: DYNAMITE	FOLD: 4000 PCT
CHARGE: 20 kg	S.P. INT: 30 ft
DEPTH: 20 ft	GRP. INT: 15 ft
NO. IN LINE: 1	

CONFIGURATION
3600--15--15--3600 ft
1--240--241--400

PROCESSED SEPTEMBER 1999 BY
KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULPLEX:
PROCESS SAMPLE RATE: 2.0 Hz
PROCESS RECORD LENGTH: 2.0 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: HYPERBOLIC (EXPART) N=1 N=0 N=2

TRACE EDITING:
PHASE COMPENSATION: GEOPHONE AND INSTRUMENT

DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPREADING
SPREADING LENGTH: 30 ft
PREWITTING: 0.1 s
DESIGN DATE: 300 - 3000 ft 101 OFFSET
1000 - 3000 ft 101 OFFSET
300 - 3000 ft

OFFSET RANGE:
PARTIAL SPECTRAL BALANCING:
FREQUENCY: 0 - 80 Hz

EQUALIZATION:
DESIGN DATE: SAME WINDOW AS DECON

STATICS (REFRACTION):
METHOD: GENERALIZED LINEAR INVERSION
FREQUENCY SPACING: EVERY SHOT
DATUM ELEVATION: 500 ft
WEATHERING VELOCITY: 700 ft/sec
REPLACEMENT VELOCITY: 4000 ft/sec

SORT:
TO EQUAL COP INTERVALS

VELOCITY ANALYSIS:
METHOD: CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 1ST PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 3000 ft
WINDOW SHIFT: +/- 10 ft
CORRELATIONS PER TRACK: 15
NUMBER OF ITERATIONS: 2

VELOCITY ANALYSIS:
METHOD: CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 2ND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 300 - 3000 ft
WINDOW SHIFT: +/- 10 ft
CORRELATIONS PER TRACK: 15
NUMBER OF ITERATIONS: 2

PRE-STACK MIG. VEL. ANALYSIS:
TYPE: CONSTANT PERCENTAGE MOVEOUT

DATE PATTERN:
SOURCE: 000 010 000 000 ft
TYPE: 000 000 000 000 ft

EQUALIZATION:
DESIGN DATE: 100 ft/sec

FILE PRE-STACK MIGRATION:
TYPE: SURFACE CONSISTENT SPREADING
SPREADING LENGTH: 30 ft
PREWITTING: 0.1 s
DESIGN DATE: 300 - 3000 ft 101 OFFSET
1000 - 3000 ft 101 OFFSET
300 - 3000 ft

SMOOTHED CLIENT VELOCITIES:
100 - 1000

STACK:
P.T. THRESHOLD: 0.1 PTHRESHOLD
P.T. 0.000 PCT

OUTPUT STACKED DATA:
FILE: 000

RELATION:
SOURCE: 010-000

EQUALIZATION:
DESIGN DATE: 100 ft/sec

OUTPUT STACKED DATA:
FILE: 000

FILE DISPLAY:

UTILITY PARAMETERS