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CANADIAN
FOREST
OIL LTD.

99-EL380-16

MAXHAMISH

LINE: 99-EL380-16
SPS: 161 - 947PRE-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

INSTRUMENTS	GEOPHONES
NAME/MODEL: ARAT 24 MARK 1	TYPE: 010 GS30
S.N.: 1	FREQUENCY: 10 HZ
LENGTH: 6 SEC	DRIFTING: 1
FILTER: 3 - 164 HZ	NUMBER/GROUP: 6
NOTCH: 1 OUT	SPACING: 9 M
FORMAT: 1 SEC-Y	GROUP LENGTH: 15 M

SOURCE	SPREAD
TYPE: DYNAMITE	FOLD: 4000 PCT
CHARGE: 20 KG	S.P. INT: 30 M
DEPTH: 20 M	GAP. INT: 15 M
NO. IN LINE: 1	

CONFIGURATION
3000--15--15--3000 M
1--240--241--400

PROCESSED SEPTEMBER 1999 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTEX:
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 3.0 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: NETPARK(X)EXP(PT) H41 R40 H42

TRACE EDITING:
PHASE COMPENSATION:
TYPE: GEOPHONE TWO-INSTRUMENT

DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPINNING
OPERATOR LENGTH: 80 MS
WEIGHTENING: 0.1 %
DESIGN GATE: 500 - 2000 MS AT 10% OFFSET
1000 - 2000 MS RE 500% OFFSET
500 - 2000 M

OPREY RANGES:
PARTIAL SPECTRAL BALANCING:
FREQUENCY: 0 - 80 HZ

EQUALIZATION:
DESIGN GATE: SAVE WINDOW AS DECON

STATICS (REFRACTION)
METHOD: GENERALIZED LINEAR INVERSION
FREQUENCY SPACING: EVERY 500 M
DATA ELEVATION: 500 M
WEATHERING VELOCITY: 700 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC

SORT:
TO EQUAL COP INTERVAL
VELOCITY ANALYSIS:
METHOD: CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 1ST PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 1000 MS
WINDOW SHIFT: 2.5 - 10 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 - 1000 MS
WINDOW SHIFT: 2.5 - 10 MS
CORRELATIONS PER TRACE: 15
NUMBER OF ITERATIONS: 2

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

MUTE PATTERN:
DISTANCE: 500 M - 1000 M
TIME: 1000 MS - 1000 MS

EQUALIZATION:
DESIGN WINDOW: 500 M HZ

FULL PRE-STACK MIGRATION:
TYPE: SURFACE CONSISTENT
WEATHERING VELOCITY: 700 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC

STACK:
TYPE: SURFACE CONSISTENT
FOLD: 4000 PCT

OUTPUT STACKED DATA:
FORMAT: 1000

FILTERS:
FREQUENCY: 3 - 164 HZ

EQUALIZATION:
DESIGN GATE: 500 - 2000 MS

OUTPUT STACKED DATA:
FORMAT: 1000

FINAL DISPLAY

DISPLAY PARAMETERS