

CANADIAN
FOREST
OIL LTD.

8228-C131-2E

MAXHAMISH

LINE: 99-EL380-20
SPS: 87 - 605

PRE-STACK
MIGRATION

NORMAL POLARITY

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

FIELD PARAMETERS

SHOT FOR: CANADIAN FOREST OIL LTD. SEPT. 1989
SHOT BY: GECO-PARLA CREW 1287

INSTRUMENTS	GEOPHONES
TYPE: 10 SYSTEM 8	TYPE: 100 SNET
S.A. : 2 NS	FREQUENCY: 10 HZ
LENGTH: 6 SEC	DRIFTING: 0.7
FILTER: OUT 1/2 INTO 7111	NUMBER/GROUP: 6
NOTCH: OUT	SPECTRUM: 5 H
FORMAT: SEG-D	GROUP LENGTH: 15 H

SOURCE	SPREAD
TYPE: DYNAMITE	FIELD: 4000 ACT
CHARGE: 10 KG	S.P. INT: 30 H
DEPTH: 20 H	GRP. INT: 15 H
NO. IN LINE: 1	

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

PROCESSED SEPTEMBER 1989 BY
KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMUTIPLEX:
PROCESS SAMPLE RATE: 2.0 NS
PROCESS RECORD LENGTH: 5.0 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: KETIPARKXEMPTAT33 H=1 AND H=2

TRACE EDITING:
PHASE COMPENSATION:
TYPE: GEOPHONE AND INSTRUMENT

DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPREADING
OPERATION LENGTH: 20 NS
PREWHITENING: 0.1 H
DESIGN DATE: 1000 + 3000 NS AT 1000 OFFSET
1000 + 3000 NS AT 3000 OFFSET
OFFSET RANGE: 000 - 3000 H

PARTIAL SPECTRAL BALANCING:
FREQUENCY: 0 - 60 HZ

EQUALIZATION:
DESIGN DATE: SAME WINDOW AS DECON

STATICS (REFRACTION):
METHOD: GENERALIZED LINEAR INTERSECTION
FREQUENCY SPACING: EVERY SHOT
DATA ELEVATION: 000 H
WEATHERING VELOCITY: 762 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC

SORT:
10 SECS CDP INTERVAL

VELOCITY ANALYSIS:
METHOD: CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 1ST PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 000 - 3000 NS
PRIORITY SHIFT: +/- 30 NS
CORRELATION PER TRACE: 10
NUMBER OF ITERATIONS: 5

VELOCITY ANALYSIS:
METHOD: CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 2ND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 000 - 3000 NS
PRIORITY SHIFT: +/- 10 NS
CORRELATION PER TRACE: 10
NUMBER OF ITERATIONS: 5

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

MUTE PATTERN:
DISTANCE: 000 070 1000 3000 H
TIME: 000 000 000 1000 NS

EQUALIZATION:
DESIGN DATE: SAME AS DECON

FULL PRE-STACK MIGRATION:
TYPE: KIRCHOFF MIGRATION
DATA REFERENCED TO PLATTED SURVEILLING REDUCED SURFACE
SEPARATELY BY SHOT AND RECEIVER
VELOCITIES: SURVEYED CLIENT VELOCITIES
SET TO 1000

STACKS:
SPRING SUPPRESSION: 511 HORIZONTAL
TAD: 3000 ACT

OUTPUT STACKED DATA:
FORMAT: SEG

FILTERED:
FREQUENCY: 0/10-10000

EQUALIZATION:
DESIGN DATE: SAME AS DECON

OUTPUT STACKED DATA:
FORMAT: SEG

PLATE DISPLAY:
1 HZ BLANK INCREMENT

STATICS PARAMETERS

HORIZONTAL: 0.0 HZ VERTICAL: 0.0 HZ