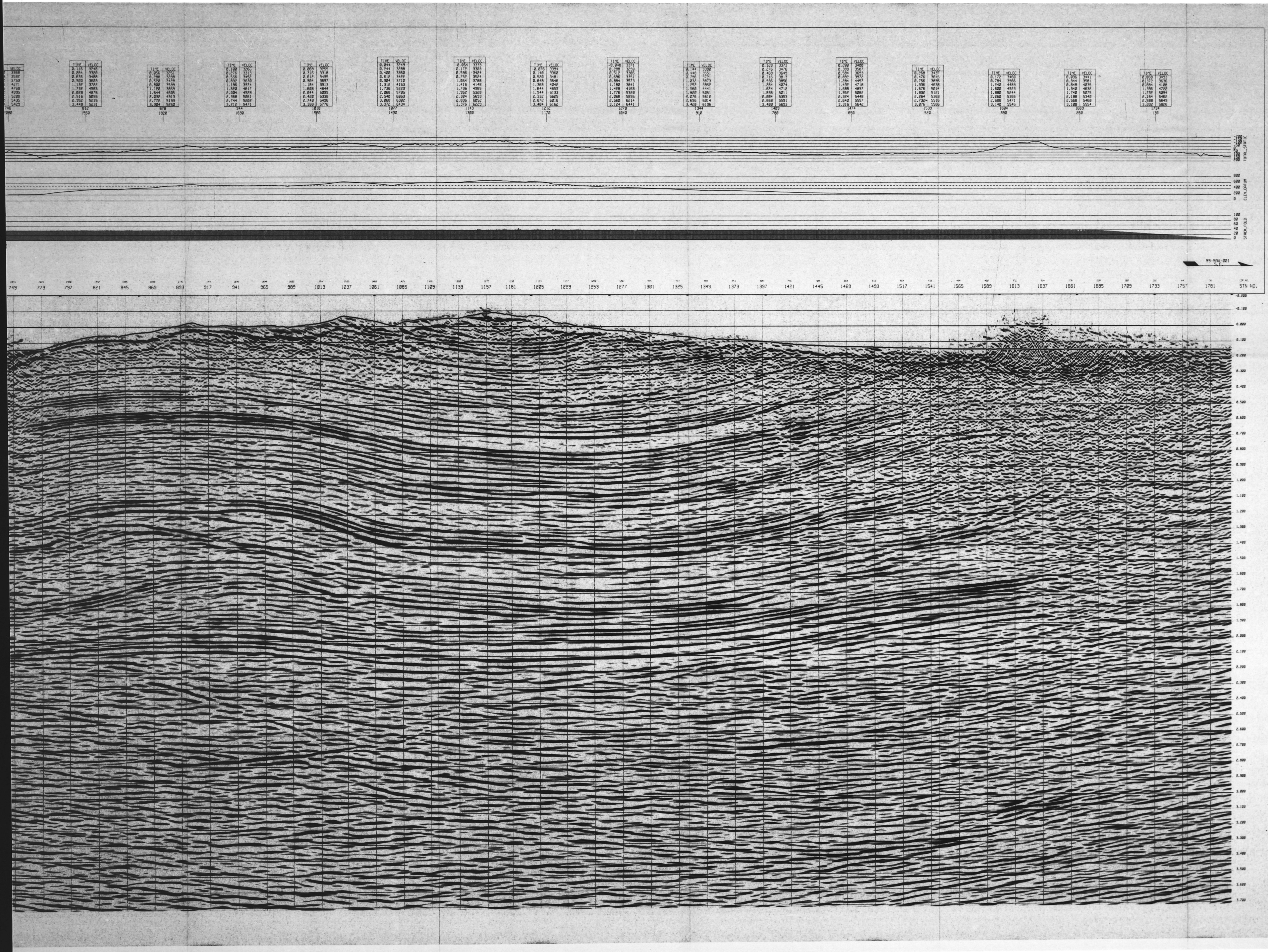


9229 C131 2E *Enclosure 2a copy 2*

9229 C131 2E

CANADIAN
FOREST OIL
LTD.

SAVMILL 2D

LINE: 99-SAV-001
SPS: 107 - 1799

POST-STACK
MIGRATION

NORMAL POLARITY

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

FIELD PARAMETERS

SHOT FOR : SYNTERRA TECHNOLOGIES OCT 1999
SHOT BY : POLARIS EXPLORER LTD. PTY # 2

INSTRUMENTS
MAKE/MODEL: ARAM 24
S.R. : 2 MS
LENGTH : 6 SEC
FILTER : 3-164 HZ
NOTCH : OUT
FORMAT : SEG-Y

GEOPHONES
TYPE : I/O SM-24
FREQUENCY : 10 HZ
DAMPING : - %
NUMBER/GROUP: 6
SPACING : 3.0 M
GROUP LENGTH: 15 M

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

SPREAD
FOLD : 4000 PCT
S.P. INT : 90 M
GRP. INT : 15 M

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

PROCESSED NOVEMBER 1999 BY

KELMAN TECHNOLOGIES
SEISMIC PROCESSING DIVISION

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE 2.0 MS
PROCESS RECORD LENGTH 4.0 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE K(T)PUP(N)(EXP(AT)) K=1 A=0 N=2

TRACE EDITING:

PHASE COMPENSATION:
TYPE GEOPHONE

DECONVOLUTION:
TYPE SURFACE CONSISTENT SPIKING
OPERATOR LENGTH 80 MS
PREWHITENING 1.0 %
DESIGN GATE 500 - 2600 MS AT 15M OFFSET
1600 - 3000 MS AT 3600M OFFSET
OFFSET RANGE: 600 - 3600 M

PARTIAL SPECTRAL BALANCING:
FREQUENCY 8 - 80 HZ

EQUALIZATION:
DESIGN GATE SAME WINDOW AS DECON

STATICS (REFRACTION)
METHOD GENERALIZED LINEAR INVERSION
FREQUENCY SPACING EVERY SHOT
DATUM ELEVATION 500 M
WEATHERING VELOCITY 762 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 400 - 2400 MS
MAXIMUM SHIFT +/- 32 MS
CORRELATIONS PER TRACE 15
NUMBER OF ITERATIONS 2

VELOCITY ANALYSIS:
METHOD CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 2ND PASS
TYPE AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW 400 - 2400 MS
MAXIMUM SHIFT +/- 16 MS
CORRELATIONS PER TRACE 15
NUMBER OF ITERATIONS 2

NORMAL MOVEOUT CORRECTION:
DATUM REFERENCED. TO PLOTTED WEATHERING REPLACED SURFACE. SEPARATELY AT SHOT AND RECEIVER

MUTE PATTERN:
DISTANCE 350 370 1960 4000 M
TIME -600 350 1200 2100 MS

STACK:
SPIKE SUPRESSION 3:1 THRESHOLD
FOLD 4000 PCT.

EQUALIZATION:
DESIGN WINDOW 500 MS AGC

POST-STACK MIGRATION:
TYPE KIRCHOFF SUMMATION
VELOCITIES 100 PERCENT OF RMS STACKING

OUTPUT STACKED DATA:
FORMAT SEGY

FILTER:
FREQUENCY 8/12-60/70 HZ

EQUALIZATION:
DESIGN WINDOW 500 MS AGC

OUTPUT STACKED DATA:
FORMAT SEGY

FINAL DISPLAY:

1 KM BLIP INCREMENT

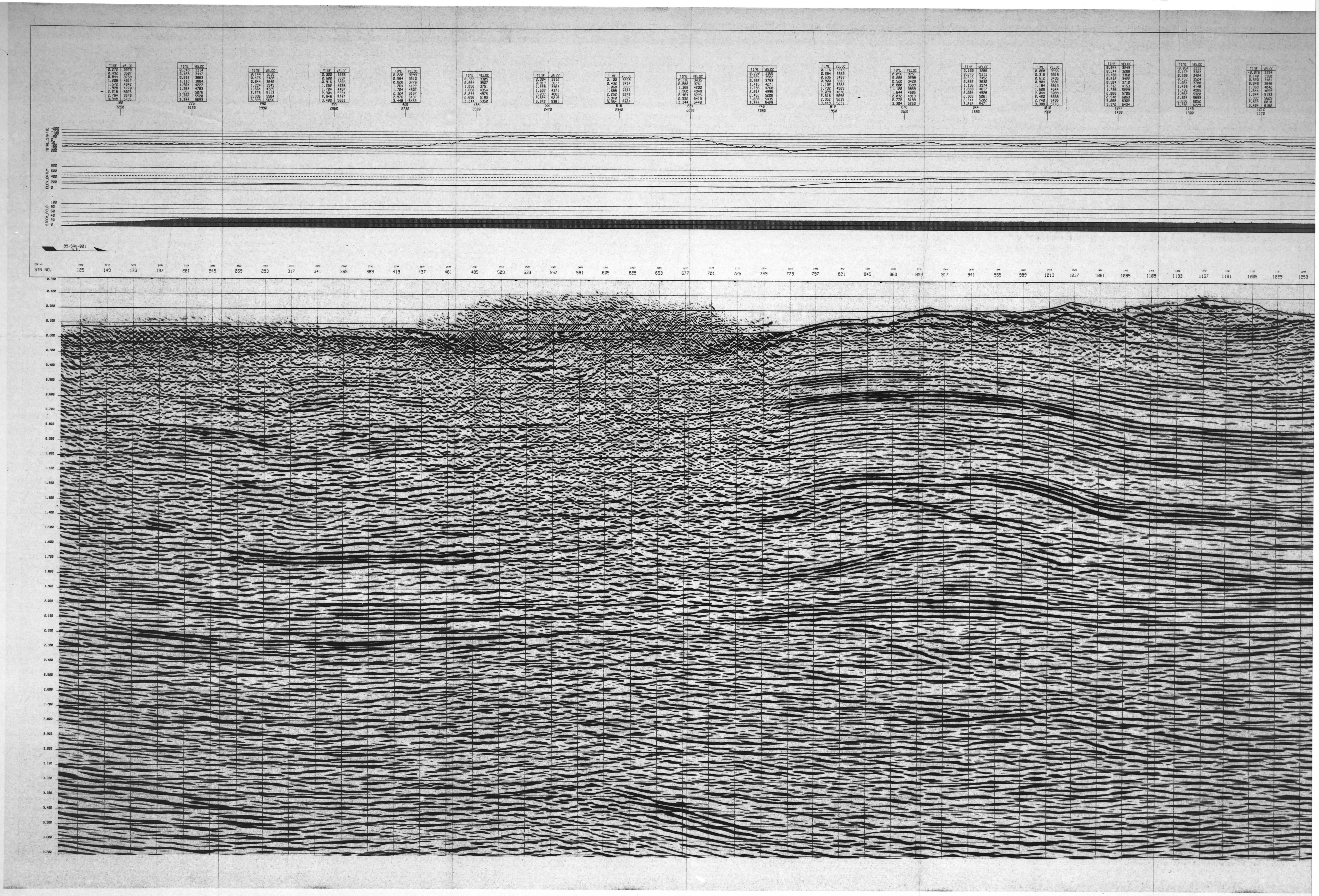
DISPLAY PARAMETERS
HORIZONTAL: 53.3 TPI VERTICAL: 5 IPS
1 INCH = 400 M

TRIATHLON

PROJ. NO. 9229-C131-2E

LINE NO. 99-SAW-1

PART NO. 1 OF 2 R.R. 8X



TRIATHLON

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Ottawa, ON
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PROJ. NO. 9229-C131-2E

LINE NO. 99-SAW-1

PART NO. 2 OF 2

R.R. 8X