

LINE CVH-00-04 COLEVILLE HILLS, N.W.T.

CANADIAN
NATURAL
RESOURCES
LIMITEDLINE: CVH00-04 9229-C144-1E
PROJECT: COLEVILLE HILLS
LOCATION: N.W.T. NTS: 96L-8 -> 96L-14

SP.2330 SE SP.98

STRUCTURE STACK
POST-STACK F-X NOISE REDUCTION
MIGRATEDPOLARITY ☒ NP ☐ RP
S.E.G. POLARITY CONVENTION
FIRST KICK POLARITY ABOVE FOLD BARS, PEAKS ARE POSITIVE NUMBERS

ACQUISITION PARAMETERS

Shot by: Trace Explorations Pty: 203
Shot for: Canadian Natural Res.
Date: March 2001
Location: NTS: 96-L-08 -> 96L-15 NW ----> SE
Spread: 1600 - 20 * 20 - 1600 m
Source interval: 60 m Receiver interval: 20 m
Acquisition fold: 2667 %
Source: Vibroseis 3 vibs (3kB); 20/20 m drag
Sweeps: 8 sweeps; 6 s; 10 - 90 Hz
Receivers: Mk L210 10 Hz; 0.60% damping; 6 over 20 m
Instruments: I/O System II 160 trace
Gate mode: fixed Tape format: SEG-D
Field filters: 3/4 Nyquist 1in. Notch: out
Sample interval: 2 ms RL: 3000 ms

PROCESSING PARAMETERS

PROCESSED BY GEO-X
DATE: MAR 2001

DIGITAL CONVERSION 2 MS. SAMPLE RATE
AMPLITUDE RECOVERY (T)EXP(BT) B=0.0014
DECONVOLUTION TYPE: ADAPTIVE 5 COMPONENT
SURFACE CONSISTENT SIGNATURE
WITH ZERO PHASE FREQUENCY
DOMAIN OFFSET COMPONENT
DOMAIN: FREQUENCY
GATE: 300-1350 MS. AT 0 OFFSET
525-1450 MS. AT 1600 M. OFFSET
NOTE: SYSTEM CONVERTED TO MINIMUM PHASE

SURFACE NOISE SUPPRESSION LIMIT AMPLITUDES IN LOW VELOCITY WINDOW TO TRACE DEPENDENT MAXIMUM

TIME-VARIANT FREQUENCY EQUALIZATION TYPE: T-V SCALE NARROW BUTTERWORTH BANDS
STACK SCALED BANDS TO RECONSTRUCT DATA
STACK INVERSE SCALERS TO RESTORE SCALING
T-V OPERATOR LENGTH: 399 MS.
LOW CORNER FREQUENCY: 5 HZ.
HIGH CORNER FREQUENCY: 100 HZ.
EQUAL WIDTH BANDS: 19.0 HZ.

STRUCTURAL CORRECTIONS DATUM ELEVATION: 400 M.
DATUM VELOCITY: 4000 M./SEC.
PROCESSING DATUM: 0 MS.
ELEVATION, WEATHERING, AND DRIFT

NOTE: ALL FOLLOWING TIMES REFERENCED FROM PROCESSING DATUM

ANALYSIS PRELIMINARY VELOCITIES AND STATICS
STATICS SURFACE STACK RESIDUAL

TRACE KILLS SURFACE STACK RESIDUAL

VELOCITY ANALYSIS INTERVAL: 40 CDPS
FINAL MOVEOUT

MEAN SCALING WINDOW: 400-1350 MS.
TIME-VARIANT SCALING WINDOW: 0-400 MS.

MUTE DISTANCE(M.) 325 1584 3000
TIME(MS.) 250 700-700 1200

STATICS SURFACE CONSISTENT RESIDUAL
WINDOW: 300-1450 MS.

TRACE GATHER MAXIMUM OFFSET: 2000 M.
MAXIMUM FOLD: 33

STATICS CDP CROSS CORRELATION
WINDOW: 300-1450 MS.

STACK CROSS CORRELATION WEIGHTED

F-X NOISE REDUCTION BLOCK SIZE: 100 TRACES
PREDICTION FILTER: 20 TRACES
300 MS. WINDOWS: 100 MS. OVERLAP

F-D MIGRATION 100% THEORETICAL VELOCITIES

FILTER 8/12-80/100 HZ.

EQUALIZATION MEAN WINDOW: 400-1350 MS.

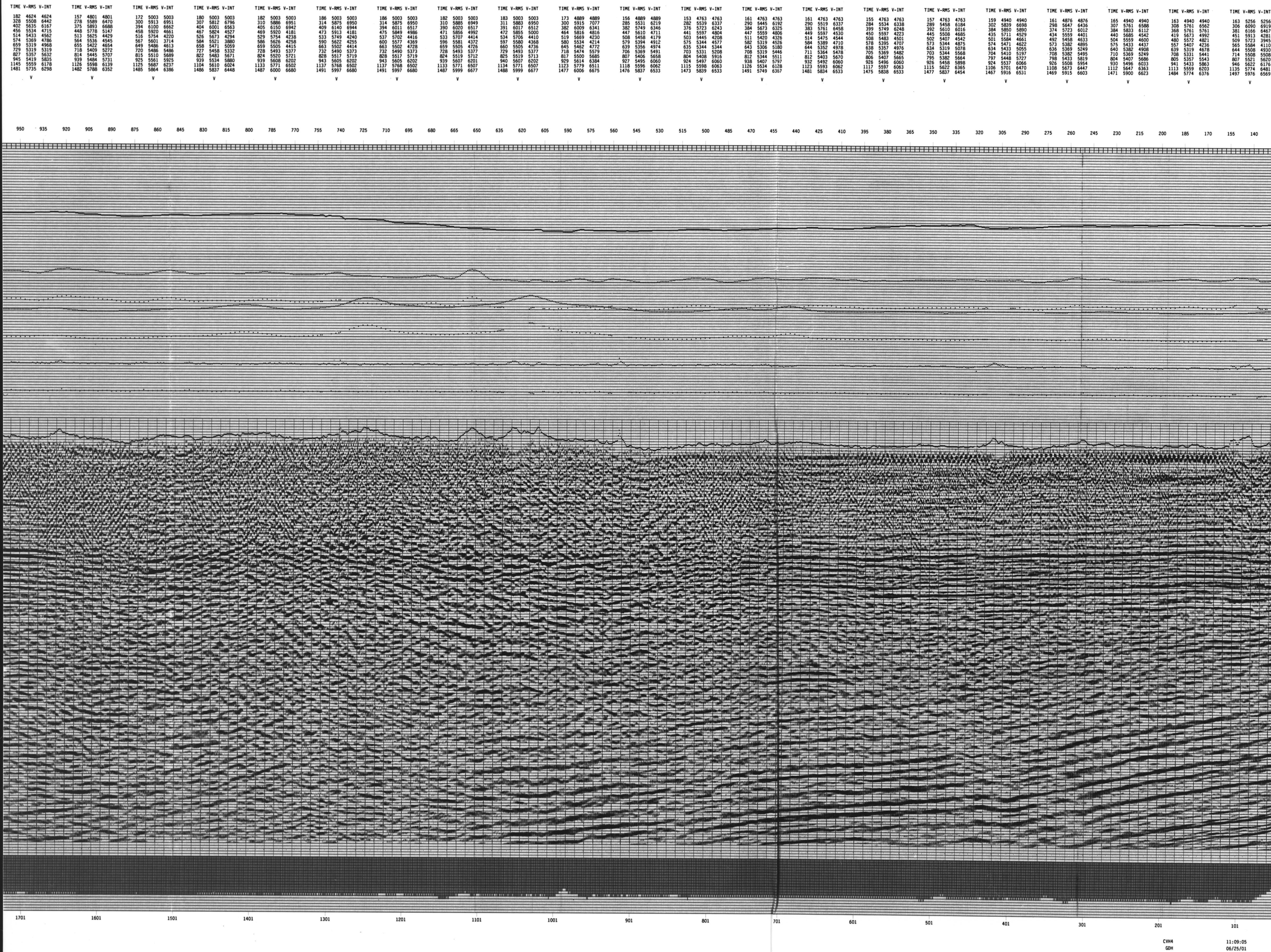
DISPLAY PARAMETERS

HORIZONTAL SCALE 48 TR/IN.
100 TR/M., 1 INCH = 480.0 M.
0.1890 KM./CM.

VERTICAL SCALE 7.5 IN/SEC.

PLOT MODE WIGGLE AND VARIABLE AREA

PROCESSOR G. MAUER



CVH0

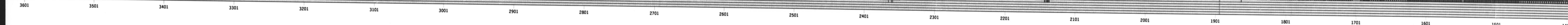
GHI

11:09:05

06/25/01

NORM

ver 5.31



CVH00-05
STN
1402.3
T

