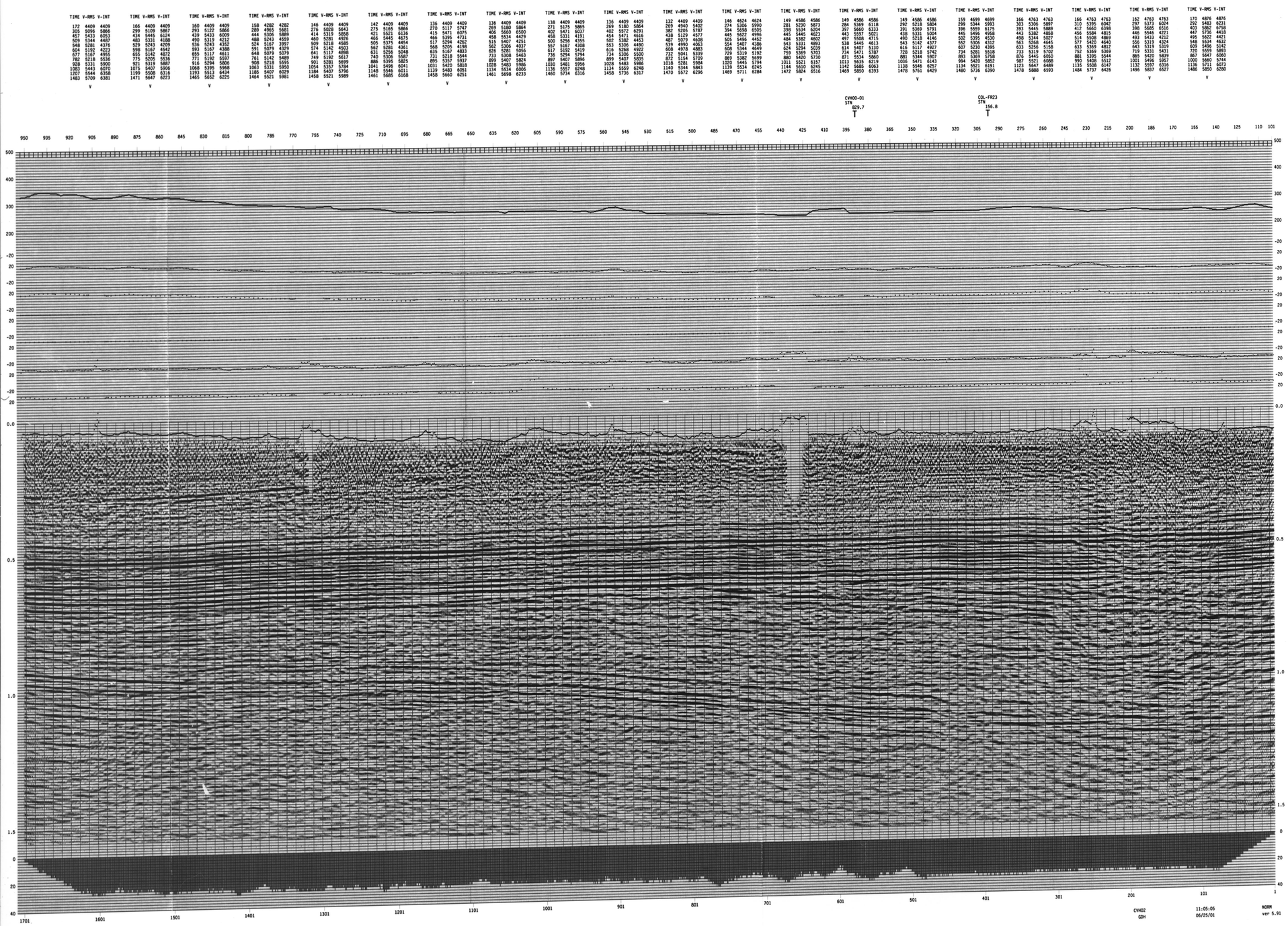
LINE CVH00-02 COLEVILLE HILLS, N.W.T.



SURFACE REFERENCED VELOCITY TABULATIONS

CANADIAN NATURAL RESOURCES LIMITED

LINE: CVH00-02 9229-C144-1E
PROJECT: COLEVILLE HILLS
LOCATION: N.W.T. NTS: 96L-15 -> 96M-02

SP.953 SE SP.101

FLAG

STRUCTURE STACK
POST-STACK F-X NOISE REDUCTION
MIGRATED

SURFACE ELEVATIONS

POLARITY ☒ NP ☐ RP

S.E.G. POLARITY CONVENTION
FIRST KICK POLARITY ABOVE FOLD BARS, PEAKS ARE POSITIVE NUMBERS

ACQUISITION PARAMETERS

Shot for: C. N. R. L. Party: 203
Shot by: Trace Explorations Ltd.
Date: Feb. 2001

Location: NTS: 96-M-2 -> 96-L-14

Spread: 1600 - 20 * 20 - 1600 m
Source interval: 60 m Receiver interval: 20 m
Acquisition fold: 2667 %

Source: Vibrosels 3 vibes over 20 m; drag 20 m
Sweep: 7 sec sweeps; 6 s; 10 - 90 Hz
Receivers: 1-210 10 Hz; 60% damping, 6 over 20 m

Instruments: I/O sys Two 161 trace
Gain mode: 24 bit Tape format: SEG-D
Field filters: 3/4 Nyq. Lin. Ph Notch: out
Sample interval: 2 ms RL: 9216 ms

RECEIVER STATIC / SHOT STATIC — ELEVATION AND WEATHERING

RECEIVER STATIC / SHOT STATIC — DRIFT

RECEIVER STATIC / SHOT STATIC — RESIDUAL AND AUTOMATIC

SURFACE IN TIME

PROCESSING PARAMETERS

PROCESSED BY GEO-X
DATE: MAR 2001

GEO-X SYSTEMS LTD. GDH

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 TRACE KILLS	SURFACE STACK RESIDUAL
VELOCITY ANALYSIS FINAL MOVEOUT	INTERVAL: 40 CDPS
MEAN SCALING	WINDOW: 400-1350 MS.
TIME-VARIANT SCALING	WINDOW: 0-400 MS.
MUTE DISTANCE(M.) TIME(MS.)	325 1584 3000 250 700-700 1200
STATICS	SURFACE CONSISTENT RESIDUAL WINDOW: 300-1450 MS.
TRACE GATHER	MAXIMUM OFFSET: 2000 M. MAXIMUM FOLD: 32
STATICS	CDP CROSS CORRELATION WINDOW: 300-1450 MS.
STACK	CROSS CORRELATION WEIGHTED
F-X NOISE REDUCTION	BLOCK SIZE: 100 TRACES %MODEL:100 % PREDICTION FILTER: 20 TRACES PW: 1.00 % 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

KILOMETRES 0 1

HORIZONTAL SCALE	48 TR/IN. 100 TR/KM., 1 INCH = 480.0 M. 0.1890 KM./CM.
VERTICAL SCALE	7.5 IN/SEC.
PLOT MODE	WIGGLE AND VARIABLE AREA

PROCESSOR G.HAUER

TRIATHLON PROJ. NO. 9229-C144-1E

LINE NO. CVH00-02

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