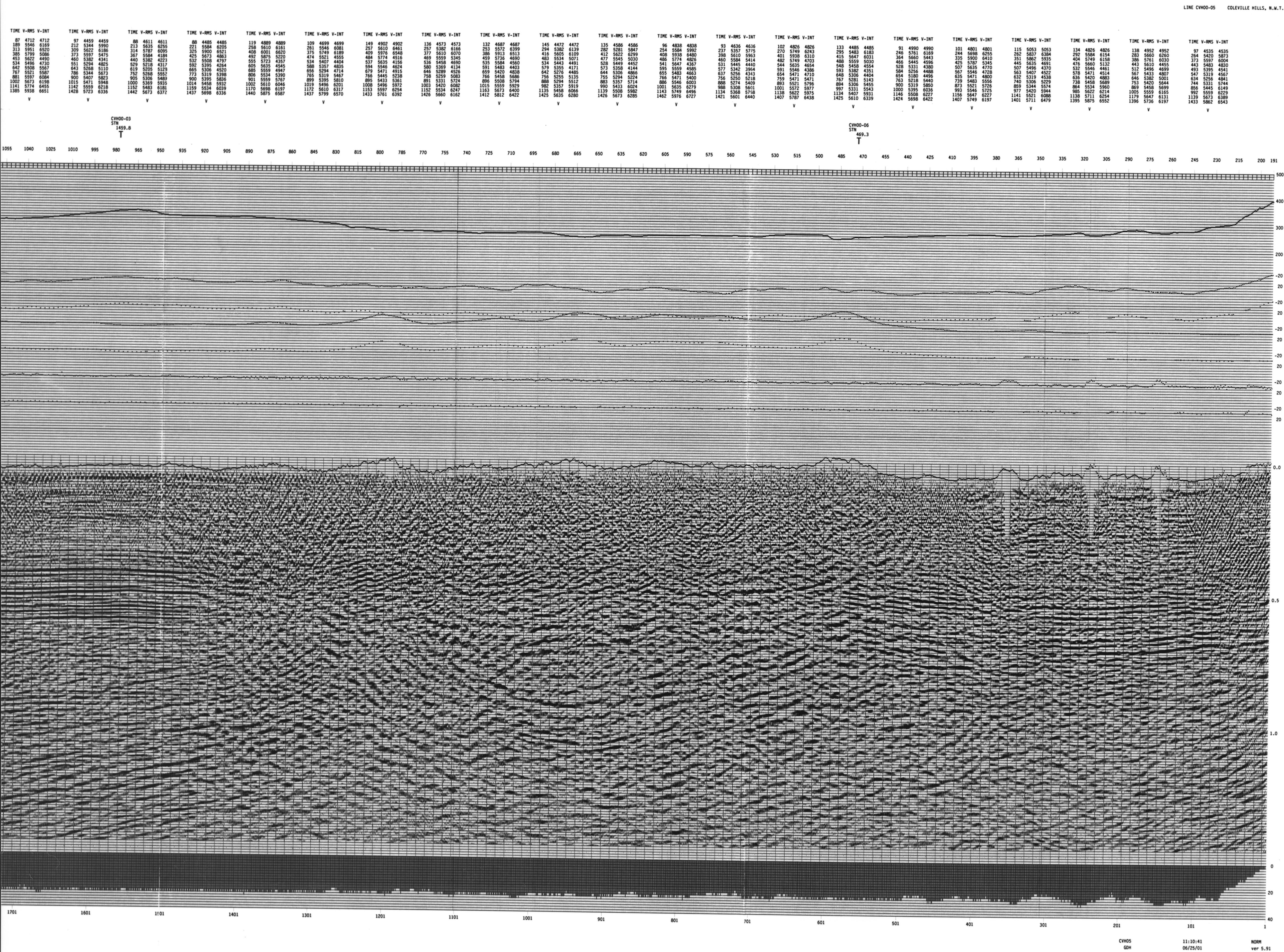




LINE CVH00-05 COLEVILLE HILLS, N.W.T.



**CANADIAN
NATURAL
RESOURCES
LIMITED**

LINE: CVH00-05 9229 - 0144 - 1E 1d
PROJECT: COLEVILLE HILLS
LOCATION: N.W.T. NTS: 96L-9 -> 96L-11

SP.2021 NE SP.191

STRUCTURE STACK
POST-STACK F-X NOISE REDUCTION
MIGRATED

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

ACQUISITION PARAMETERS

```
Shot for: C. M. R. L. Party: 203
Shot by: Trade 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 foot: 2667 f
Source: Vibroseis
Geophones: 3 vibs over 20 m; 10 - 90 Hz
Receivers: 1200 geophones; 6 s; 10 - 90 Hz
1-2/10 1/10 Hz; 60s damping, 6 over 20 m
Instruments: 1/2 s Sys Two 161 trace
Gain mode: 24 bit Tape format: SEG-D
Field files: 3 s Rys. Lin. Ph. Notch out:
Sample interval: 2 ms
```

PROCESSING PARAMETERS

GEOS-X
SYSTEMS LTD.

DATE: MAR 2001

DIGITAL CONVERSION

AMPLITUDE RECOVERY

DECONVOLUTION

2 MS. SAMPLE RATE

(TYPE)BT = 00-014

TYPE: ADAPTIVE 5 COMPONENT

SURFACE CONSISTENT SIGNATURE

WITH ZERO PHASE FREQUENCY

DOMAIN OFFSET COMPONENT

DOMAIN:

NOTE: 300-1350 MS. AT 0 OFFSET

525-1450 AT 1600 M. OFFSET

NOTE: SYSTEM CONVERTED TO MINIMUM PHASE

LIMIT AMPLITUDES IN LOW VELOCITY

WINDOW TO TRACE DEPENDANT MAXIMUM

SURFACE NOISE

SUPPRESSION

THE-VARIANT

STACK SCALING

STACK INVERSE SCALING

STACK INVERSE SCALING TO RESTORE SCA

T-CY OPERATOR LENGTH: 399 MS.

LOW CORNER FREQUENCY: 5 HZ.

HIGH CORNER FREQUENCY: 100 HZ.

EQUAL: HIGH BANDS: 15.0 HZ.

```

NOTE: ALL FOLLOWING TIMES REFERENCE FROM PROCESSING DATUM
ANALYSIS
PRELIMINARY VELOCITIES AND STATICS
STATICS
TRACE KILLS
SURFACE STACK RESIDUAL
INTERVAL: 40 CDPS
INTERVAL ANALYSIS
FINAL MOVEMENT
WINDOWN: 400-1350 MS.
LINE SCALING
WINDOWN: 0-400 MS.
TIME-VARIANT SCALING
DISTANCE(M.)
TIME(MS.)
335 1584 3000
350 800-800 1300
SURFACE CONSISTENT RESIDUAL
WINDOWN: 300-1450 MS.
MAXIMUM OFFSET: 2000 M.
MAXIMUM FOLD: 30
TRACE GATHER
CROSS CORRELATION
WINDOWN: 300-1450 MS.
CROSS CORRELATION WEIGHTED
TRACE
BLOCK SIZE: 100 TRACES
PREDICTION FILTER: 20 TRACES
300 MS. WINDOWS, 100 MS. OVERLAP
MODEL: 10
Pw: 1.0
NOISE
REDUCTION
100% THEORETICAL VELOCITIES
8/12-80/100 HZ.
MIGRATION
FILTER
MEAN WINDOWN: 400-1350 MS.
REALIZATION

```

DISPLAY PARAMETERS



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

