



SURFACE REFERENCED VELOCITY TABULATIONS



**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

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

ACQUISITION PARAMETERS

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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 m * 20 * 1600 m
Source Interval: 60 m Receiver Interval: 20 m
Acquisition fold: 2667 x

Source: Vibroseis 5 vibres over 20 m; drag 20 m
Vib. 1/2 100 Hz; 6 s; 10 - 90 Hz
Receivers: 1-210 10 Hz; 60s damping, 6 over 20 m

Instruments: 1/0 sys 2 161 trace
Gain mode: 24 bit Tape format: SEG-D
Filter: 3 Hz, Lin. Ph. Notch: out
Sample interval: 8 m
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PROCESSING PARAMETERS



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PROCESSED BY GEO-X DATA
DATE: MAR 2001

GEO-X SYSTEMS LTD.
GDH

DIGITAL CONVERSION      2 MS. SAMPLE RATE
AMPLITUDE RECOVERY      (TX)E7(BT)  B=0.0014
DECONVOLUTION            TYPE: ADAPTIVE S COMPONENT
                        SURFACE CONSISTENT SIGNATURE
                        WITH ZERO PHASE FREQUENCY
                        DOMAIN OFFSET COMPONENT
                        DOMAIN:
                        DATE: 300-1350 MHz AT 0 OFF SET
                        RANGE: 525-1450 MHz AT 1600 M. OFFSET
                        NOTE: SYSTEM CONVERTED TO MINIMUM PHASE
                        LIMIT AMPLITUDES IN LOW VELOCITY
                        SURFACE TRACE DECONVOLUTION
                        TYPE: T-V SCALE NARROW BUTTERWORTH BANDS
                        STACK SCALE WARPED TO RECONSTRUCT DATA
                        STACK INVERSE SCALING TO RESTORE SCALING
                        T-V OPERATOR LENGTH: 399 MS
                        LOW CORNER FREQUENCY: 5 HZ.
                        HIGH CORNER FREQUENCY: 100 MZ.
                        EQUAL WIDTH BANDS: 19.0 HZ.

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NOTES: ALL FOLLOWING TIMES REFERENCED FROM PROCESSING DATUM
ANALYSIS
PRELIMINARY VELOCITIES AND STATICS
STATICS
TRACE KILLS
SURFACE STACK RESIDUAL
VELOCITY ANALYSIS
FINAL MOVEOUT
INTERVAL: 40 CPS
MEAN SCALING
WINDOW: 400-1350 MS.
TIME-VARIANT SCALING
WINDOW: 0-400 MS.
MINUTE DISTANCE (M.)
TIME (MS.) 335 1584 3000
350 800-800 1300
STATICS
SURFACE CONSISTENT RESIDUAL
WINDOW: 300-1450 MS.
TRACE GATHER
MAXIMUM OFFSET: 2000 M
MAXIMUM FOLD: 36
STATICS
CROSS CORRELATION
WINDOW: 300-1450 MS.
STACK
DIP CORRELATION WEIGHTED
-3 NOISE
REDUCTION
BLOCK SIZE: 100 TRACES
PREDICTION FILTER: 20 TRACES
300 MS. WINDOWS, 100 MS. OVERLAP
-D MIGRATION
100 THEORETICAL VELOCITIES
FILTER
8/12-80/100 HZ.
QUALIZATION
B/E-WINDOW: 400-1350 MS.

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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

[illegible]