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

TIME	V-RMS	V-INT
172	4409	4409
305	5096	5866
457	5433	6053
509	5344	4487
548	5281	4376
604	5192	4223
677	5167	4955
782	5218	5536
928	5331	5900
1083	5443	6070
1207	5544	6358
1483	5709	6381

TIME	V-RMS	V-INT
166	4409	4409
299	5109	5867
434	5445	6124
483	5331	4188
529	5243	4209
598	5167	4542
655	5142	4872
775	5205	5536
921	5319	5887
1075	5407	5906
1199	5508	6316
1471	5647	6223

TIME	V-RMS	V-INT
160	4409	4409
293	5122	5866
439	5433	6009
490	5319	4212
536	5243	4352
593	5167	4388
655	5117	4611
771	5192	5597
916	5294	5806
1068	5395	5968
1193	5513	6434
1465	5652	6225

TIME	V-RMS	V-INT
158	4282	4282
289	4965	5681
444	5306	5889
488	5243	4559
524	5167	3997
591	5079	4329
648	5079	5079
761	5142	5489
908	5218	5595
1063	5331	5950
1185	5407	6029
1464	5521	5981

TIME	V-RMS	V-INT
146	4409	4409
276	5028	5643
414	5319	5858
460	5281	4926
509	5218	4585
574	5142	4503
641	5117	4898
749	5192	5617
901	5281	5699
1054	5357	5784
1184	5407	5796
1458	5521	5989

TIME	V-RMS	V-INT
142	4409	4409
275	5165	5866
421	5521	6136
466	5445	4675
505	5375	4454
562	5281	4361
631	5256	5048
740	5306	5587
886	5395	5825
1041	5496	6041
1148	5546	6011
1461	5680	6168

TIME	V-RMS	V-INT
136	4409	4409
270	5117	5747
415	5471	6075
466	5395	4731
517	5294	4262
568	5205	4198
635	5167	4833
731	5218	5544
895	5357	5817
1031	5433	5818
1139	5483	6051
1458	5660	6251

TIME	V-RMS	V-INT
136	4409	4409
269	5180	5884
406	5660	6500
458	5534	4429
515	5407	4251
562	5306	4037
626	5281	5050
733	5357	5455
897	5407	5824
1029	5483	5986
1134	5534	6006
1461	5698	6233

TIME	V-RMS	V-INT
138	4409	4409
271	5175	5865
402	5471	6037
458	5331	4191
500	5256	4308
557	5167	4019
616	5192	5419
716	5294	5794
897	5407	5896
1030	5481	5956
1136	5557	6248
1460	5734	6316

TIME	V-RMS	V-INT
136	4409	4409
269	5180	5864
402	5471	6034
458	5331	4216
502	5282	4413
553	5306	4490
616	5268	4922
734	5306	5500
899	5407	5835
1028	5483	5986
1134	5559	6248
1458	5736	6317

TIME	V-RMS	V-INT
132	4409	4409
262	4940	5402
382	5205	5787
438	5129	4577
487	5079	4608
539	4990	4063
608	4978	4883
732	5041	5339
872	5154	5709
1018	5281	5984
1140	5344	5843
1470	5572	6296

TIME	V-RMS	V-INT
146	4624	4624
274	5306	5990
394	5498	6505
445	5622	4998
505	5498	4452
554	5407	4386
608	5344	4649
729	5319	5192
869	5382	5699
1020	5445	5794
1139	5534	6245
1469	5711	6284

TIME	V-RMS	V-INT
149	4586	4586
281	5230	5873
398	5534	6204
445	5445	4623
484	5382	4602
543	5331	4893
624	5294	5039
759	5369	5703
880	5420	5730
1011	5521	6157
1144	5610	6245
1472	5824	6516

TIME	V-RMS	V-INT
149	4586	4586
284	5369	6118
397	5660	6333
443	5597	5021
497	5508	4715
538	5445	4613
614	5407	5130
734	5471	5787
871	5534	5800
1013	5635	6219
1142	5685	6063
1469	5850	6393

CVH00-01
STN
829.7

TIME	V-RMS	V-INT
149	4586	4586
292	5218	5804
391	5369	5791
438	5331	5004
490	5218	4146
543	5142	4377
616	5117	4927
728	5218	5742
881	5344	5907
1036	5471	6143
1138	5546	6257
1478	5761	6429

TIME	V-RMS	V-INT
159	4699	4699
299	5344	5993
396	5559	6175
445	5496	4958
502	5395	4530
552	5306	4312
607	5230	4395
734	5281	5518
893	5369	5758
994	5420	5852
1134	5521	6191
1480	5736	6390

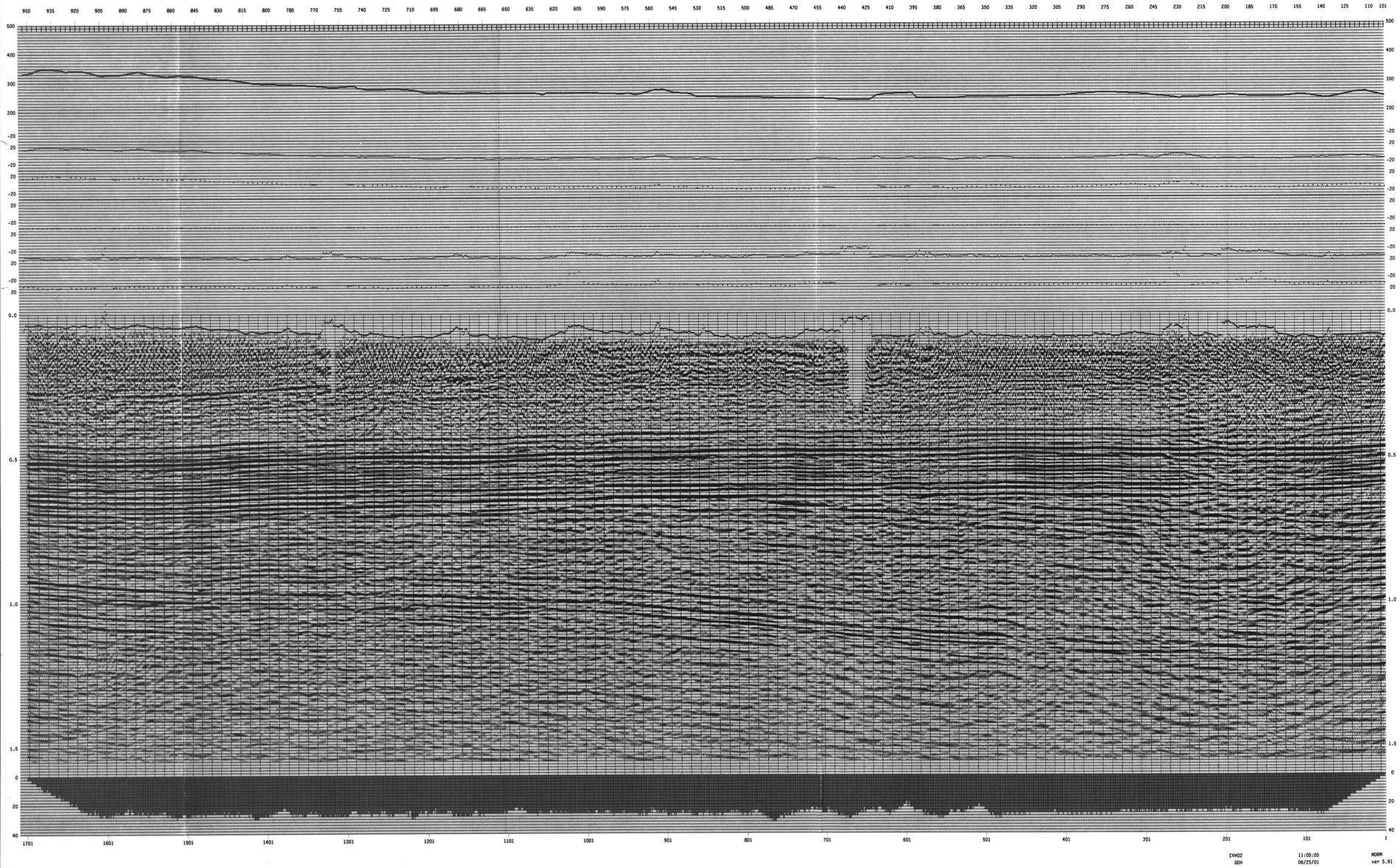
TIME	V-RMS	V-INT
166	4763	4763
303	5306	5897
393	5445	5889
443	5382	4868
498	5344	5027
563	5268	4645
633	5256	5158
733	5319	5702
876	5445	6050
987	5521	6088
1123	5647	6489
1478	5888	6593

COL-FR23
STN
156.8

TIME	V-RMS	V-INT
166	4763	4763
310	5395	6042
412	5660	6398
456	5584	4815
514	5508	4869
577	5420	4640
633	5369	4812
752	5369	5369
881	5395	5544
990	5408	5512
1135	5508	6147
1484	5737	6426

TIME	V-RMS	V-INT
162	4763	4763
297	5373	6024
398	5685	6516
446	5546	4221
493	5433	4212
556	5319	4324
643	5319	5319
719	5331	5431
865	5420	5839
1001	5496	5957
1132	5597	6316
1496	5837	6527

TIME	V-RMS	V-INT
170	4876	4876
292	5483	6231
403	5862	6758
447	5736	4418
495	5622	4421
548	5534	4632
609	5496	5142
720	5559	5893
867	5647	6060
1000	5660	5744
1138	5711	6073
1486	5850	6280



SURFACE REFERENCED VELOCITY TABULATIONS

FLAG

SURFACE ELEVATIONS

RECEIVER STATIC / SHOT STATIC — ELEVATION AND WEATHERING

RECEIVER STATIC / SHOT STATIC — DRIFT

RECEIVER STATIC / SHOT STATIC — RESIDUAL AND AUTOMATIC

SURFACE IN TIME

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

STRUCTURE STACK
POST-STACK F-X NOISE REDUCTION
MIGRATED

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: Vibroseis 3 vibes over 20 m; drag 20 m
Sweep: 9 sweeps; 6 s; 10 - 90 Hz
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

PROCESSING PARAMETERS

PROCESSED BY GEO-X GEO-X SYSTEMS LTD.
DATE: MAR 2001 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.) 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: 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