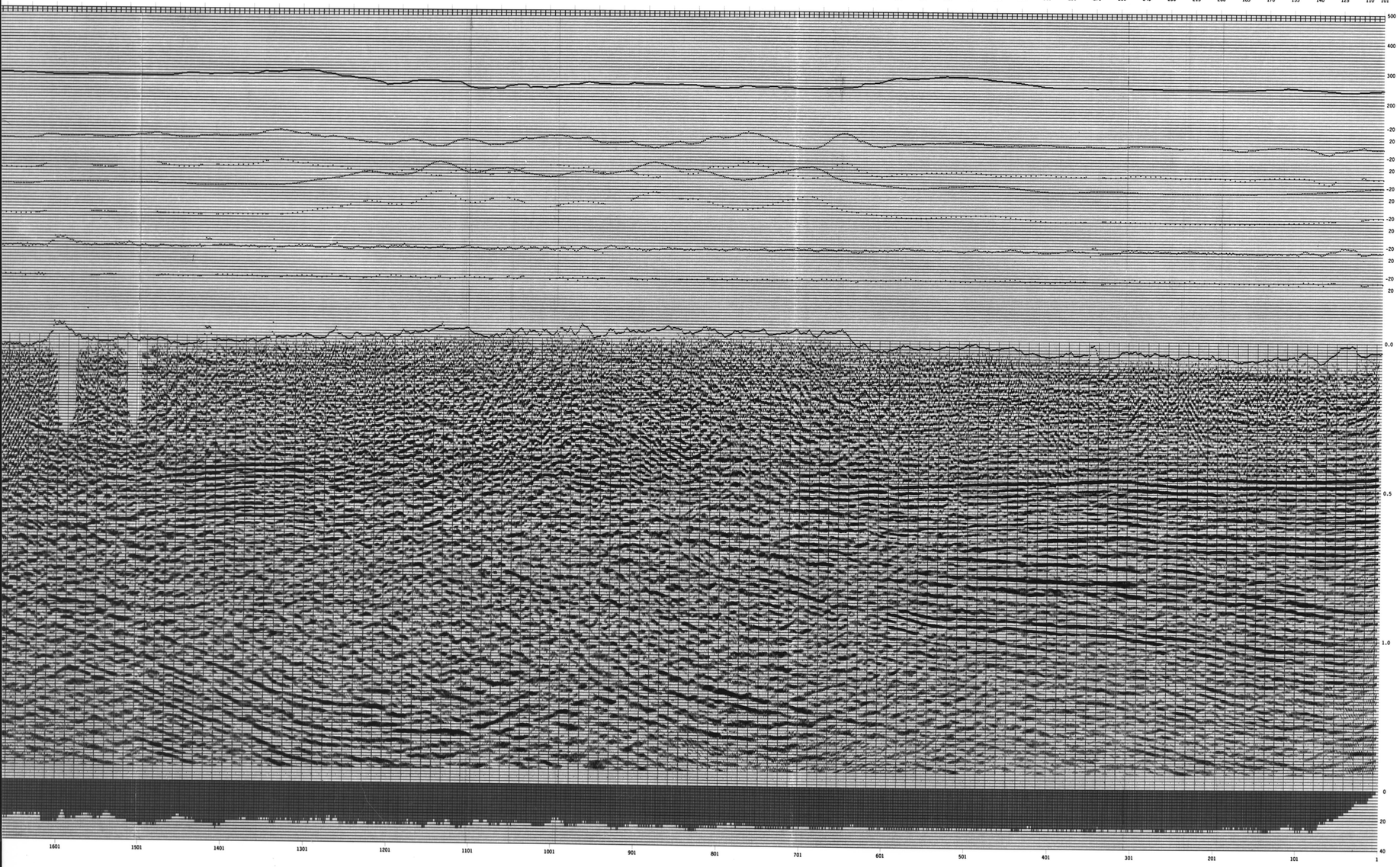
LINE CVH-00-06 COLEVILLE HILLS 00-0A

-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT	TIME V-RMS V-INT
5041	112 5041 5041	116 5041 5041	113 4813 4813	120 5041 5041	170 4801 4801	178 4801 4801	186 4801 4801	190 4801 4801	190 4801 4801	194 4801 4801	196 4801 4801	192 4801 4801	170 4801 4801	150 4801 4801	144 4801 4801	116 5091 5091	108 5091 5091	88 4662 4662	88 4586 4586	139 4978 4978
6446	250 5771 6302	264 5761 6303	253 5488 5977	284 5761 6235	331 5831 6750	339 5808 6749	347 5787 6749	333 5563 6437	333 5563 6437	337 5555 6438	339 5551 6439	332 5659 6438	326 5392 5894	302 5483 6082	296 5496 6082	252 5802 6346	244 5824 6346	240 5445 5851	235 5331 5731	248 5546 6195
6631	361 5767 6469	365 5951 6364	349 5647 6046	358 5862 6234	421 5977 6486	429 5957 6488	437 5938 6487	419 5650 5975	419 5650 5975	423 5643 5975	425 5639 5973	421 5647 5973	412 5610 5496	384 5660 6269	378 5673 6270	334 6011 6612	324 5913 6177	326 5660 6221	308 5395 5596	327 5584 5702
4910	414 5767 4469	428 5761 4505	419 5433 4207	434 5723 5017	491 5804 4629	499 5789 4628	507 5774 4620	501 5494 4615	501 5494 4615	505 5489 4614	507 5486 4612	503 5492 4615	501 5521 4956	423 5604 5019	417 5615 5018	397 5777 4330	393 5736 4819	399 5496 4694	390 5243 4628	413 5382 4532
4581	488 5691 4444	482 5597 4344	488 5270 4145	504 5546 4289	532 5684 3975	540 5672 3981	548 5660 3990	546 5435 4729	546 5435 4729	550 5431 4732	552 5429 4740	548 5433 4724	581 5521 4732	484 5445 4179	478 5453 4181	461 5604 4381	450 5610 4649	443 5395 4374	445 5142 4359	454 5319 4637
5190	647 5498 5270	651 5521 5281	577 5168 4568	583 5382 4187	595 5526 3947	603 5517 3946	611 5508 3946	600 5364 4585	600 5364 4585	604 5360 4575	606 5358 4569	602 5362 4580	580 5382 4729	524 5359 4441	528 5365 4436	519 5467 4223	514 5508 4729	505 5294 4507	495 5079 4479	512 5256 4734
5718	739 5536 5796	743 5534 5798	944 5143 4922	656 5331 4905	662 5421 4379	670 5414 4379	678 5407 4380	670 5280 4496	670 5280 4496	674 5277 4498	676 5276 4504	672 5278 4491	650 5294 4439	502 5301 4821	506 5306 4823	585 5354 4365	589 5420 4773	574 5218 4624	561 5041 4746	568 5294 5630
5805	876 5624 6077	880 5622 6077	829 5167 5345	736 5319 5220	747 5434 5534	755 5427 5528	763 5420 5523	755 5269 5181	755 5269 5181	759 5267 5187	761 5266 5186	757 5268 5188	735 5281 5181	521 5315 5341	526 5319 5389	699 5342 5280	686 5395 5241	698 5243 5357	711 5154 5556	718 5458 6039
6074	999 5687 6117	1003 5686 6117	1004 5334 5880	864 5357 5570	876 5455 5575	884 5450 5583	892 5445 5591	896 5357 5806	896 5357 5806	900 5355 5806	902 5354 5806	898 5356 5806	876 5369 5806	821 5353 5341	826 5353 5341	840 5353 5407	816 5471 5856	828 5357 5932	847 5294 5973	855 5584 6203
6212	1146 5789 6440	1150 5787 6440	1153 5434 6077	1010 5420 5779	1017 5544 6068	1025 5539 6067	1033 5534 6067	1038 5384 5551	1038 5384 5551	1042 5382 5550	1044 5381 5549	1040 5383 5551	1018 5395 5553	986 5441 5970	979 5445 5970	976 5441 5956	954 5572 6135	953 5433 5912	987 5395 5970	984 5660 6140
6501	1408 5928 6501	1412 5926 6501	1425 5573 6127	1434 5635 6194	1447 5693 6198	1455 5689 6201	1463 5685 6204	1466 5619 6133	1466 5619 6133	1470 5617 6132	1472 5616 6132	1468 5618 6132	1446 5630 6135	1427 5700 6362	1421 5703 6359	1411 5707 6357	1388 5774 6277	1396 5673 6278	1406 5723 6536	1420 5888 6401

CVH00-05 STN 473.6

935 920 905 890 875 860 845 830 815 800 785 770 755 740 725 710 695 680 665 650 635 620 605 590 575 560 545 530 515 500 485 470 455 440 425 410 395 380 365 350 335 320 305 290 275 260 245 230 215 200 185 170 155 140 125 110 101



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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: CVH00-06 9229-C144-1E

PROJECT: COLEVILLE HILLS

LOCATION: N.W.T. NTS: 96L-9 -> 96L-15

SP.1361 → 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 by:	Trace Explorations Pty: 203
Shot for:	CNRL
Date:	Feb. 2001
Location:	NTS: 96L-09 -> 96L-15
Spread:	1600 - 20 * 20 - 1600 m
Source interval:	60 m Receiver interval: 20 m
Acquisition fold:	2667 %
Source:	Vibrosels 3 vibes over 20 m; 20/20 m drag
Sweep:	8 sweeps; 6 s; 10 - 90 Hz
Receivers:	Mk L210 10 Hz; 60% damping; 6 over 20 m
Instruments:	I/O System II 160 trace
Gain mode:	Fixed Tape format: SEG-D
Field filters:	3/4 Nyquist lin. Notch: out
Sample interval:	2 ms RL: 3000 ms

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: -100 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.)	335 1584 3000 350 800-800 1300
STATICS	SURFACE CONSISTENT RESIDUAL WINDOW: 300-1450 MS.
TRACE GATHER	MAXIMUM OFFSET: 2000 M. MAXIMUM FOLD: 31
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

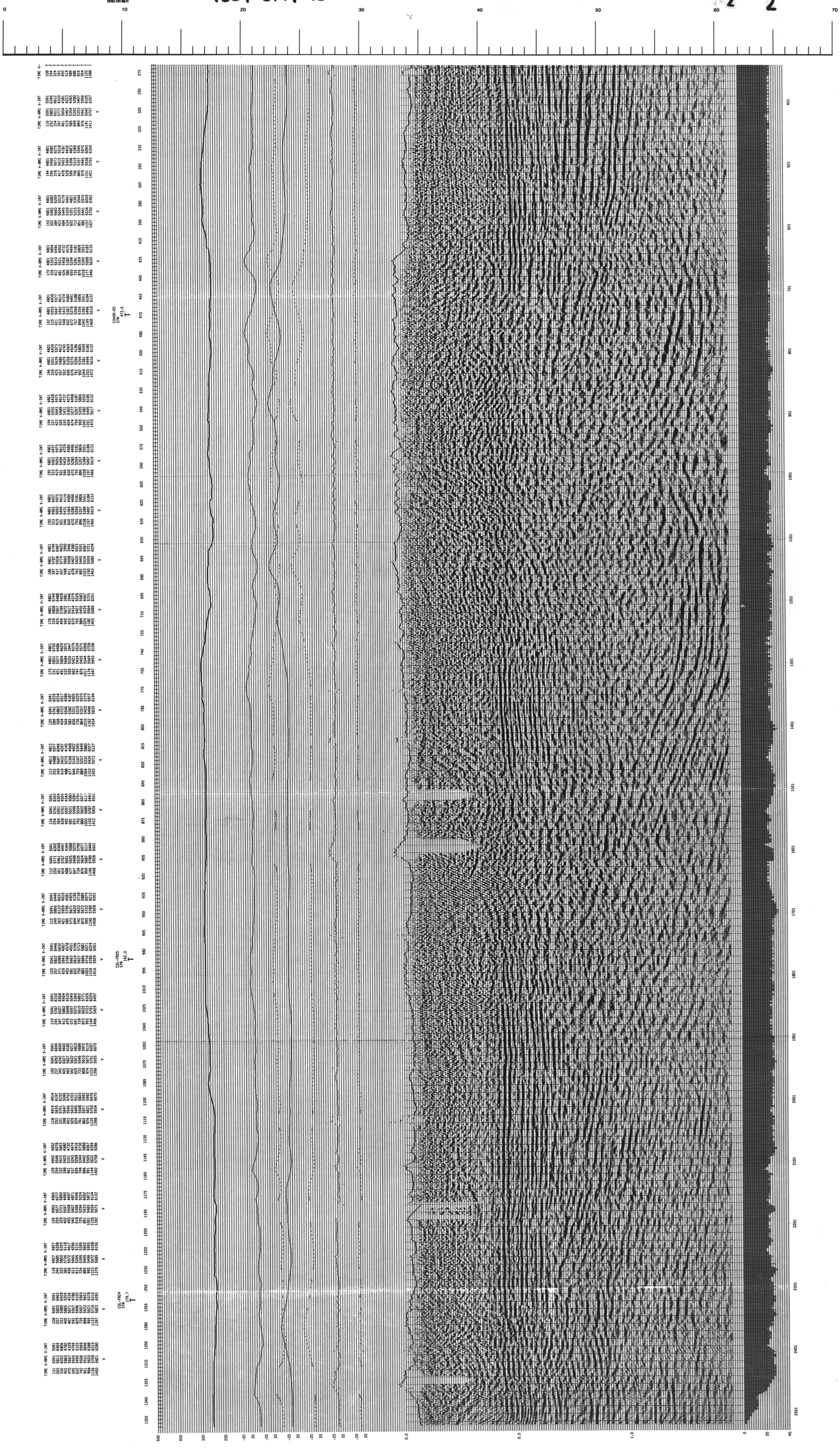
TRIATHLON PROJ. NO. 9229-C144-1E

LINE NO. CVH00-06 PART NO. 1 OF 2 R.R. 8X

TRIATHLON 3000 Shirley Road Victoria, BC V8X 3P5 (250) 721-8571

PROJ. NO. 9229-C144-1E

LINE NO. CVH00-06

PART NO. 2 OF 2

R.R. 8X