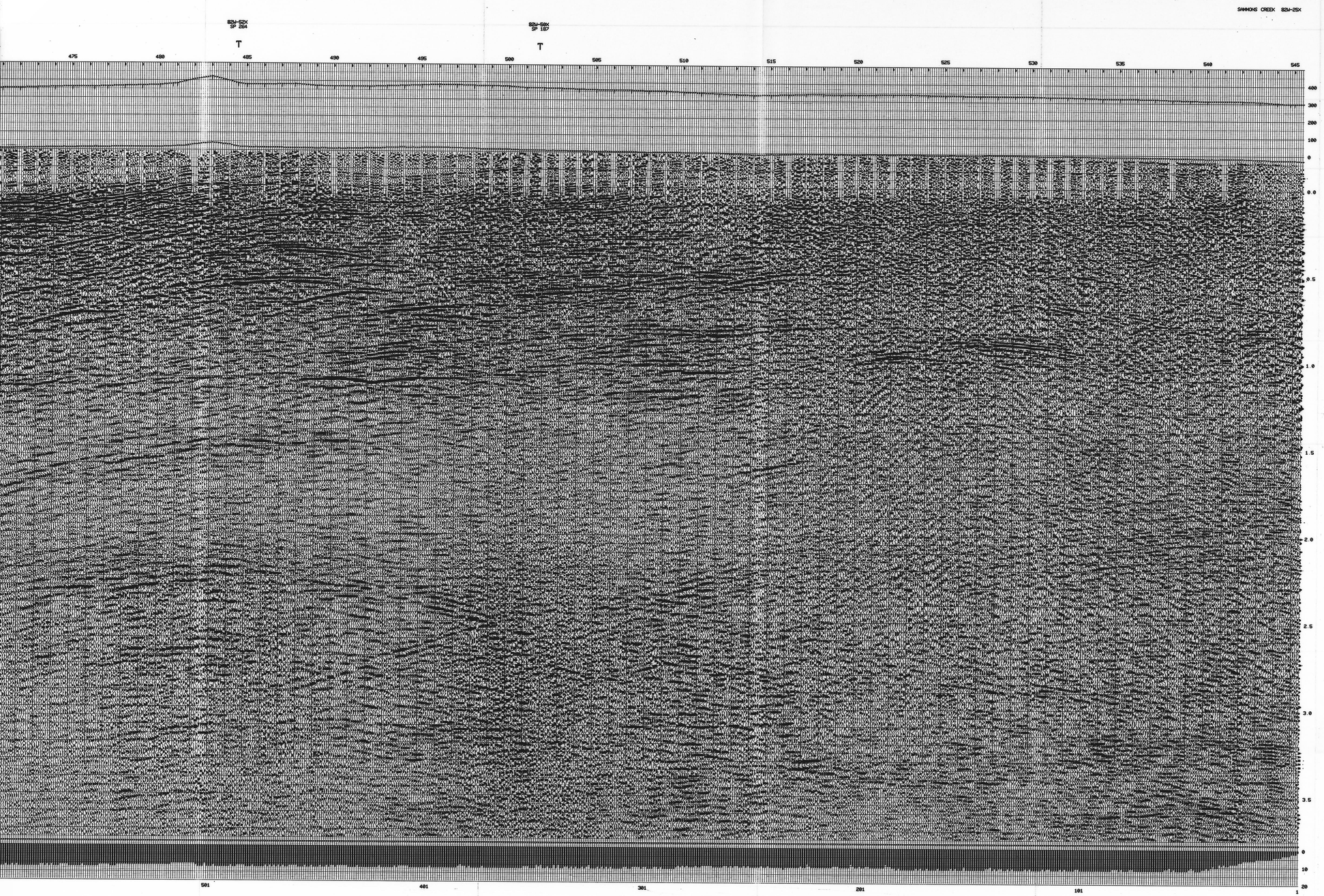
246-06-05-115



GEO-X SYSTEMS LTD.
CALGARY ALBERTA

LINE: 82-W-25X TYPE: S-NP
DIRECTION ⟶ N.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 106H
CLIENT: PETRO-CANADA EXPLORATION INC.

SHOT BY WESTERN GEOPHYSICAL, PTY. 362 DATE 3/82

SPREAD: 1584 m. - 33m. x 33m. - 1584 m.
SOURCE: 2 kg. at 18m.
RECEIVERS: GEOSPACE 200, 10 Hz, 9 OVER 53 m.
SOURCE INTERVAL: 132 m. GROUP INTERVAL: 33m.

AMPLIFIERS: DFS V FIELD FILTER: 8-128 Hz. NOTCH-OUT
GAIN MODE: IFP TAPE FORMAT: SEG B

PROCESSED AT GEO-X DATE: 6/82

1 DIGITAL CONVERSION - SAMPLE RATE 2 ms.
2 AMPLITUDE RECOVERY $At^{1.5}$

PREFILTER
3 DECONVOLUTION - TYPE SPIKING
OPERATOR LENGTH 60 ms. PREWHITENING 1%
DESIGN GATE 400-2400 ms. SLOPING
4 STRUCTURAL CORRECTIONS
DATUM SEA LEVEL DATUM VELOCITY 3506 m./sec.
PROCESSING DATUM -200 ms.
[X] ELEVATIONS [X] WEATHERING [X] DRIFT
10 ANALYSIS STATISTICAL SURFACE CONSISTENT STATICS
5 11 MOVEOUT (5) PRELIMINARY (11) FINAL
6 SCALING
7 12 STATICS (7) SURFACE STACK RESIDUAL
(12) CROSS CORRELATION
( )
8 WORK SECTION DISPLAY
9 TRACE KILLS
13 MUTE DISTANCE (m) 314 924 3168
TIME (ms.) 300 550-650 1700
14 GATHER FOLD 12
15 STACK STACK REEL
16 FILTER (16) 12/16 80/90 Hz, 0-2500 ms
( ) 12/16 50/60 Hz, 2500-4000 ms
( )
17 ADDITIONAL PROCESSING
NEAR RAMP SCALING
TIME 0-130, 250-1600, 2300, 3000-4000
% SCALE 70, 100, 120, 250
18 EQUALIZATION 400-2400 ms

VELOCITY TABULATION FROM PROCESSING DATUM

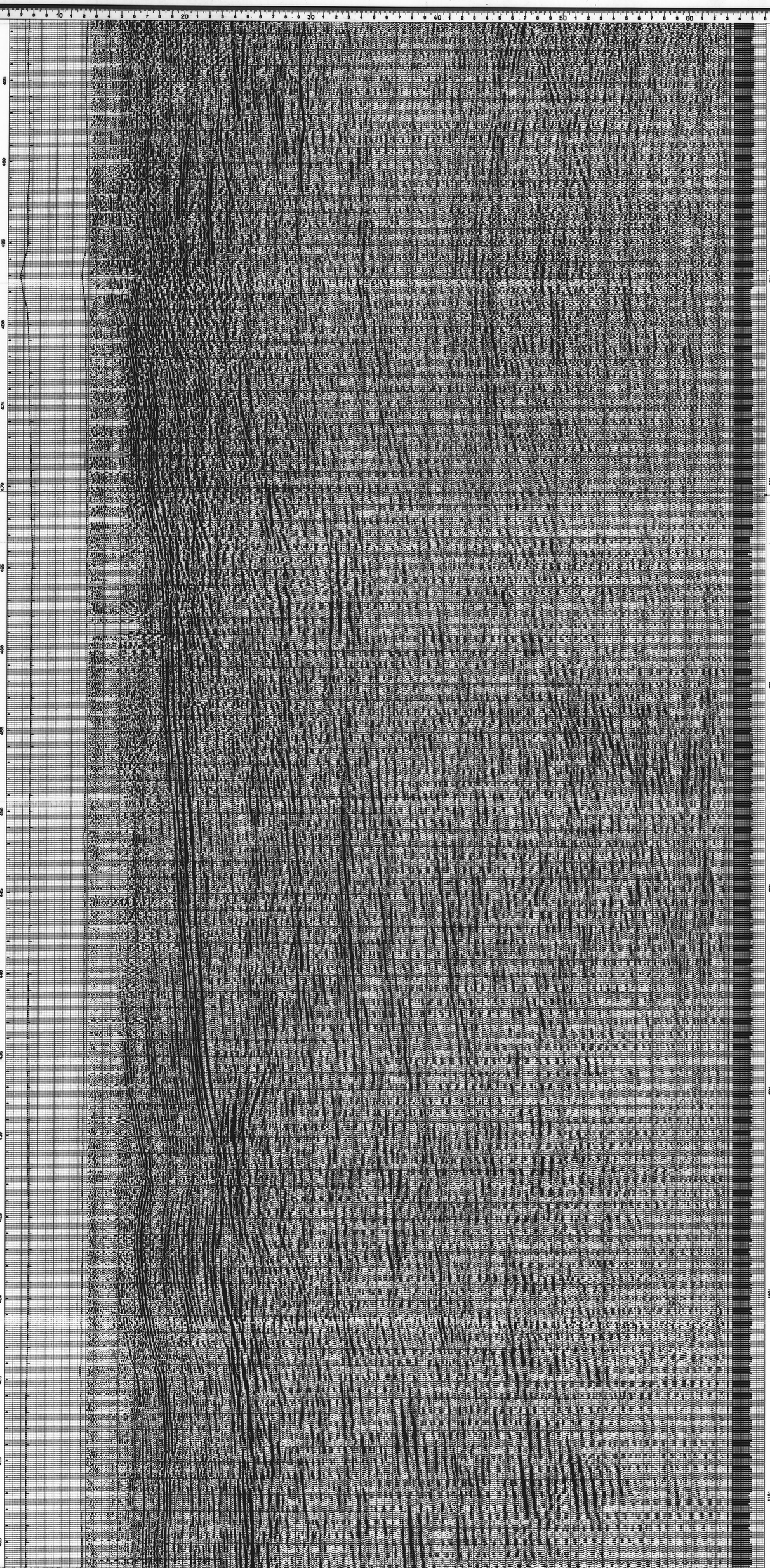
[redacted]

12491

Geo-X Systems Ltd. 2050 Walkley Rd. Ottawa, Ont. Canada K1G 3P5 Tel. (613) 731-5571 Telex: 053-3502 Cable: TERRA
PROJ. NO. 246-06-05-115
LINE NO. 82-W-25X
PART NO. 1 OF 3
R.R. 8X

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 2 4 6 - 0 6 - 0 5 - 1 1 5 LINE NO. 8 2 - W - 2 5 X PART NO. 2 OF 3 R.R. 8X



SAMMON'S CREEK 82W-25X SP 510

TWO WAY TIME	RMS VELOCITY	DELTA-T X-DISTANCE	AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2900	546.2	1584	2900	0	2900
20	2920	517.3	1584	2949	29	2949
40	3000	489.5	1584	3049	59	2999
60	3100	454.5	1584	3199	92	3066
80	3200	421.4	1584	3352	127	3193
100	3433	376.1	1584	4236	176	3402
150	5516	83.8	1584	8979	1216	5406
200	5399	92.1	1584	5244	2134	5335
1350	5607	29.2	1584	5886	3755	5564
1550	5704	24.7	1584	6319	4387	5681
1800	5758	20.9	1584	6682	5148	5720
3500	5800	10.6	1584	5844	10115	5780

SAMMON'S CREEK 82W-25X SP 479

TWO WAY TIME	RMS VELOCITY	DELTA-T X-DISTANCE	AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2900	546.2	1584	2900	0	2900
21	2953	515.8	1584	2962	31	2952
43	3008	485.3	1584	3069	64	3007
73	3117	444.4	1584	3235	113	3114
108	3176	402.3	1584	3396	171	3172
152	3133	397.8	1584	2921	218	3129
481	5946	91.8	1584	6988	1988	4821
936	4932	59.6	1584	4765	2830	4857
1353	5313	32.2	1584	5886	3576	5247
1553	5325	29.1	1584	5406	4116	5267
1822	5593	22.6	1584	5474	4955	5439
3500	5700	11.0	1584	5906	9910	5663

SAMMON'S CREEK 82W-25X SP 434

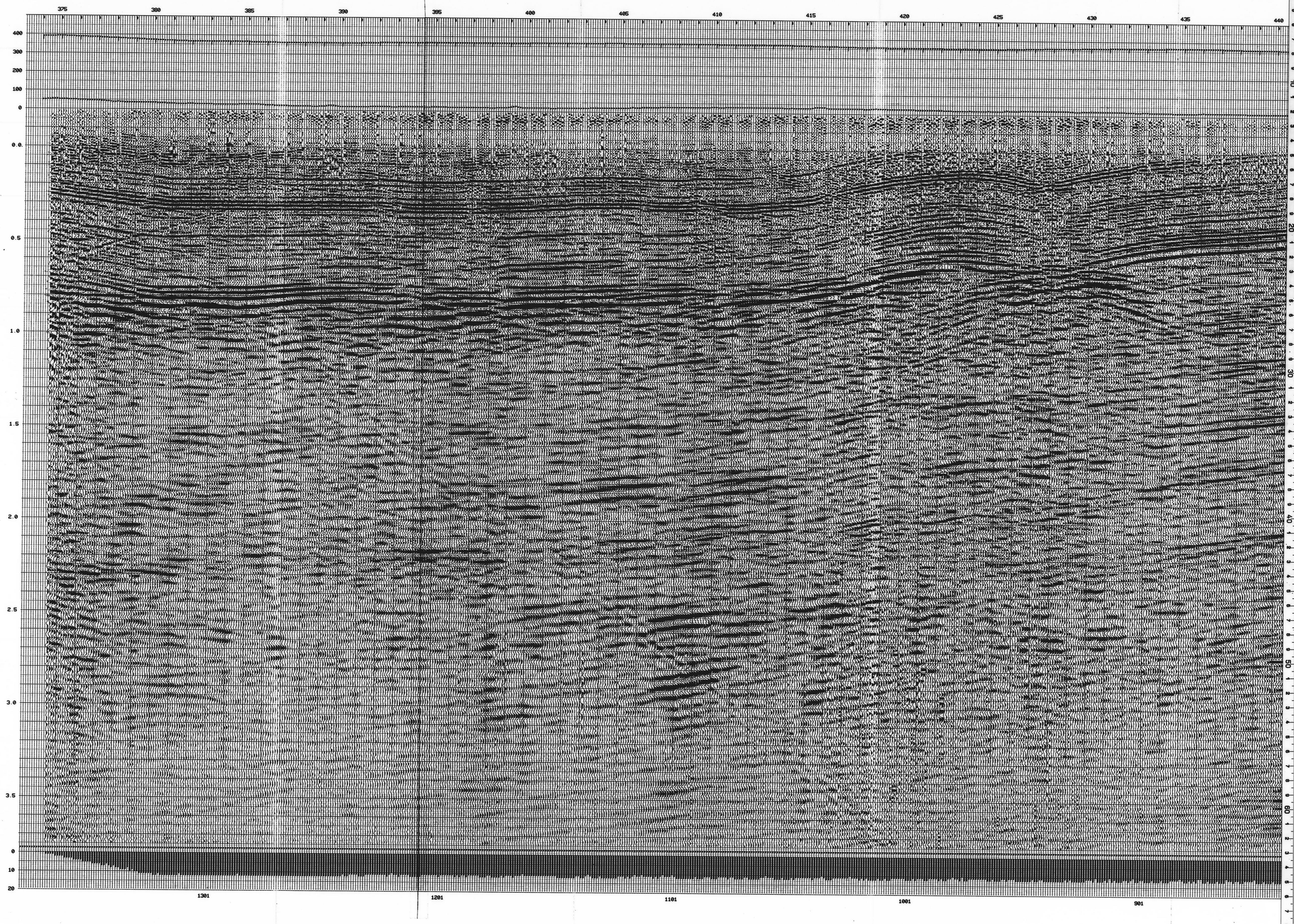
TWO WAY TIME	RMS VELOCITY	DELTA-T X-DISTANCE	AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
35	2900	512.3	1584	2900	50	2930
174	3091	367.2	1584	3127	268	3089
232	3316	267.9	1584	3622	482	3284
422	3739	176.0	1584	4547	778	3627
592	3875	125.7	1584	4176	1154	3933
712	3872	109.2	1584	3966	1396	3937
1112	4681	69.5	1584	5850	2536	4561
1412	4637	46.7	1584	4479	3596	4542
1712	4629	33.1	1584	4671	4537	4599
1532	4866	26.6	1584	6916	4736	4779
2388	5269	19.0	1584	6981	6093	5138
3500	5488	11.9	1584	5919	9434	5390

SAMMON'S CREEK 82W-25X SP 423

TWO WAY TIME	RMS VELOCITY	DELTA-T X-DISTANCE	AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
36	2853	528.4	1584	2853	51	2853
234	3128	341.9	1584	3193	318	3125
338	3107	273.7	1584	3074	524	3105
468	3044	231.9	1584	2973	711	3041
648	3306	157.9	1584	3905	1063	3281
758	3312	138.3	1584	3343	1247	3290
1172	4433	53.3	1584	5962	2481	4534
1495	4416	42.4	1584	4353	3184	4539
1843	4946	27.6	1584	6766	4361	4733
2141	5302	20.7	1584	7119	5422	5065
2540	5479	16.4	1584	6311	6881	5251
3500	5500	11.8	1584	5570	9355	5346

SAMMON'S CREEK 82W-25X SP 330

TWO WAY TIME	RMS VELOCITY	DELTA-T X-DISTANCE	AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
176	2893	395.9	1584	2893	254	2893
353	3372	230.7	1584	3923	508	3394
500	3664	161.0	1584	4343	906	3625
763	3572	125.6	1584	3253	1275	3542
879	3694	99.0	1584	4280	1609	3661
1006	3763	84.5	1584	4269	1876	3731
1400	4755	39.1	1584	6647	3186	4551
1735	4627	33.5	1584	4848	3864	4454
2086	4949	24.4	1584	6303	4970	4765
2480	5500	16.7	1584	7793	6505	5245
2844	5600	14.0	1584	6238	7641	5373
3500	5600	11.4	1584	5600	9478	5416



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PROJ. NO. 2 4 6 - 0 6 - 0 5 - 1 1 5

LINE NO. 8 2 - W - 2 5 X

PART NO. 3 OF 3

R.R. 8X